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# Centre College

OF KENTUCKY

## Bulletin

Series 1

MARCH, 1922

Vol. XVII, No. 1

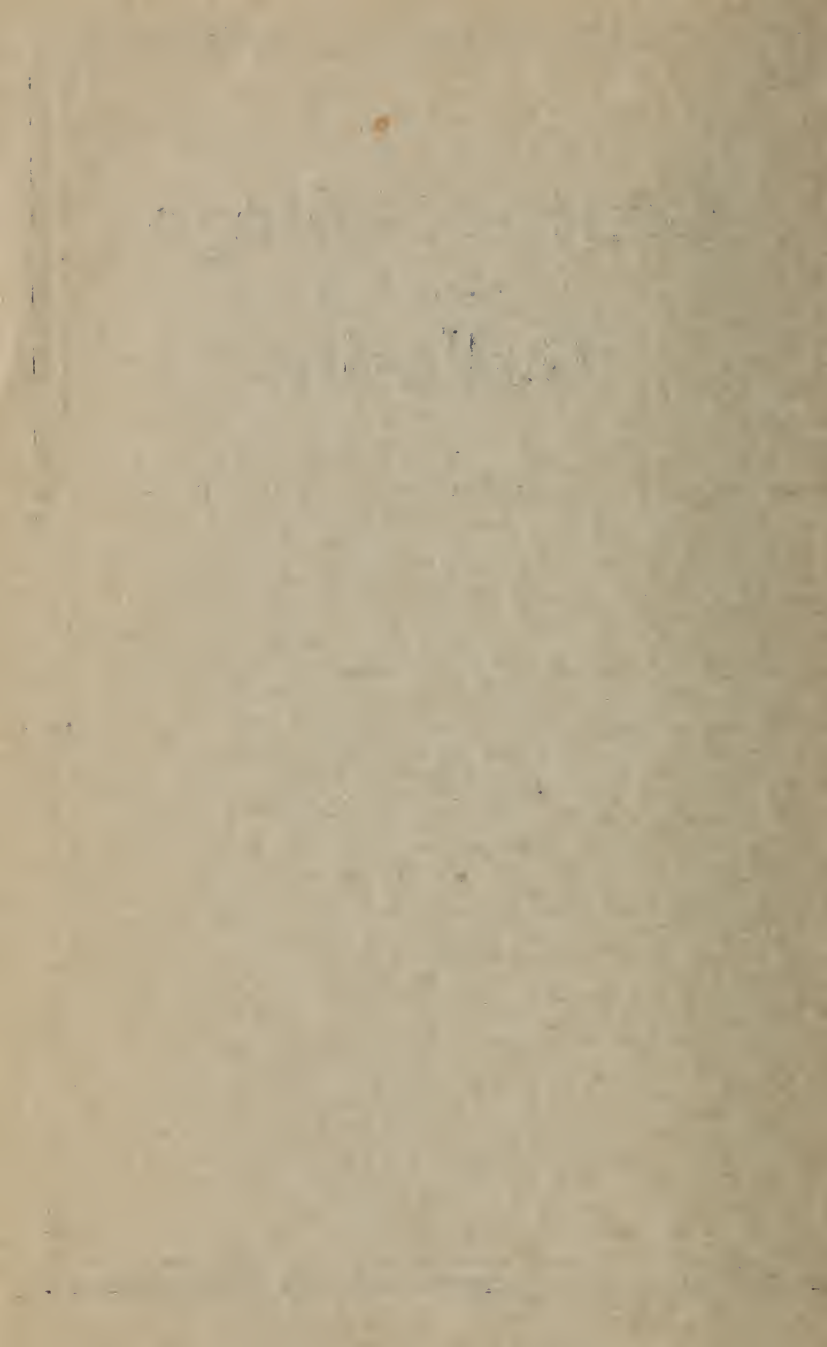
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CATALOGUE  
NUMBER

1921-1922



# Centre College Bulletin


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SERIES ONE

VOLUME XVII No. 1

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## THE ANNUAL CATALOGUE

For the Academic year  
of 1921-1922 with an-  
nouncements for the  
year 1922-1923. 

DANVILLE, KENTUCKY,  
MARCH, 1922

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Published Quarterly by the Centre College, and entered at the Post  
Office, Danville, Kentucky, as second-class matter under  
Act of Congress of July 16, 1894



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## CORRESPONDENCE

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Requests for catalogues and other publications of Centre College, inquiries concerning entrance requirements, applications for scholarships, and correspondence in regard to general matters of business should be addressed to the President.

## FOREWORD

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Centre College was chartered in 1819, and is, therefore, one of the oldest institutions of higher education in Kentucky, or in the South, having graduated the first class as early as 1824. The College has prosecuted its work successfully and without interruption from that day to the present. Not a year has passed in which it has not sent out graduates.

Central University was organized at Richmond, Kentucky, under a charter granted by the Legislature, March 3, 1873, providing for the establishment of an institution of the highest order, on the university plan. Under this plan, professional Colleges of Law, Medicine and Dentistry, and three preparatory schools were established, in addition to the College of Philosophy, Letters and Science.

In 1901, these two institutions were legally consolidated under the corporate name of "Central University of Kentucky," with agreement and provision to "continue the College at Danville for instruction in Literature and in the Arts and Sciences, the same to be known as THE CENTRE COLLEGE OF KENTUCKY."

At the close of the ninety-eighth Commencement, in 1921, this College had granted degrees to two thousand and thirty-seven Bachelors of Arts or of Science. A gratifyingly large number of the Alumni have attained prominence in the various walks of life.



The College has always been small in number of students, but has maintained a high standard of scholarship, a very strong faculty and complete equipment for college work, and has had marked success in inspiring young men with ambitions and ideals for noble living and useful service.

Centre College has educated twenty-five College Presidents, more than fifty College Professors, twenty-nine Representatives in Congress, five United States Senators, ten Governors of States, two Vice Presidents of the United States, one Justice of the Supreme Court of the United States, forty-nine Circuit Judges, nine Moderators of the General Assemblies of the Presbyterian Churches, and a very large number of men who have been successful in the professions of Law, Medicine, Teaching and the Ministry.

The Presbyterian Churches have, for nearly a century, received into their ranks many gifted ministers and workers from the students and graduates of Centre College and Central University, and, since the consolidation in 1901, from the Centre College at Danville, Kentucky.

In 1918 the charter was amended, and the corporate name of the institution changed to its former name, Centre College of Kentucky.

# Centre College of Kentucky

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## OFFICERS

\*WILLIAM ARTHUR GANFIELD, A. M., D. D., LL. D.

*President*

J. A. CHEEK, Esq.

*Treasurer*

## BOARD OF TRUSTEES

### Term Expires 1922

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Rev. DAVID M. SWEETS, D. D.	Louisville
NELSON D. RODES	Danville
GIBNEY OSCAR LETCHER	Henderson

### Term Expires 1923

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Hon. EMMET O'NEAL	Louisville
Hon. RICHARD P. ERNST	Covington
GEORGE W. WELSH, Esq.	Danville

### Term Expires 1924

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Hon. CHARLES C. FOX	Danville
Rev. SAMUEL CALLEN, D. D.	Louisville
W. L. THRELKELD, Esq.	Lexington
J. RICE COWAN, M. D.	Danville
Hon. J. T. TUNIS	Lexington

### Term Expires 1925

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Hon. ROBERT T. CALDWELL	Ashland
PHILLIP F. BARBOUR, M. D.	Louisville
R. TATE IRVINE, LL. D.	Big Stone Gap, Va.
CHARLES D. GATES, Esq.	Louisville
J. A. CHEEK, Esq.	Danville

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\*Resigned December 1, 1921.

## OFFICERS OF THE BOARD OF TRUSTEES

A. J. A. ALEXANDER, M. D., *Chairman*                      Spring Station  
J. A. CHEEK, Esq., *Secretary and Treasurer*                      Danville

## STANDING COMMITTEES OF THE BOARD OF TRUSTEES

The President of the College is ex-officio member  
of all Committees.

### Executive Committee

G. W. WELSH, *Chairman*.  
W. L. THRELKELD, C. R. HEMPHILL, CHAS. C. FOX, J. A.  
CHEEK, JOHN W. YERKES, A. J. A. ALEXANDER, R. P. ERNST,  
J. RICE COWAN.

### Finance Committee

W. L. THRELKELD, *Chairman*.  
CHAS. C. FOX, G. W. WELSH, J. A. CHEEK, JOHN W. YERKES.

### Buildings and Grounds

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CHAS. C. FOX, JOHN W. YERKES, J. RICE COWAN.

### Morals and Discipline

EMMET O'NEAL, *Chairman*.  
G. W. WELSH, J. RICE COWAN.

### Curriculum

H. C. READ, *Chairman*.  
E. L. WARREN, J. P. MCCARTNEY.

## OFFICERS OF ADMINISTRATION

-----  
*President*

JOHN ADAMSON CHEEK, Esq.

*Treasurer*

CHARLES GRAHAM CROOKS, A. M., LL. D.

*Registrar*

WALTER HATHERAL COOLIDGE, PH. D.

*Secretary of the Faculty*

LIDA DUKE WOODS

*Assistant Treasurer and Secretary to the President*

ISABEL ZANON CALDWELL

*Stenographer*

## CALENDAR

1922

FEBRUARY 6	Second semester begins.
FEBRUARY 22	Annual Oratorical Contest
JUNE 5-10	Final examinations.
JUNE 11	Baccalaureate Sermon, 11 A. M.
JUNE 12	Class-day Exercises, 10 A. M.
JUNE 13	Meeting of Trustees, 9:30 A. M.
JUNE 14	99th Annual Commencement, 10 A. M.
JUNE 15	Summer vacation begins.
SEPTEMBER 11-12	Examination and registration of students.
SEPTEMBER 13	First semester begins.
DECEMBER 15	Christmas recess begins, 4 P. M.

1923

JANUARY 3	Recitations resumed, 8 A. M.
JANUARY 12	Ernst Debate.
JANUARY 29	} Semester examinations.
FEBRUARY 4	
FEBRUARY 5	Second semester begins, 8 A. M.
JUNE 13	One-hundredth Annual Commencement.

## CALENDAR 1922

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	..	..	..	1	2	3	4	..	..	..	1	2	3	4	..	..	..	..	..	1	
8	9	10	11	12	13	14	5	6	7	8	9	10	11	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31	..	..	..	..	26	27	28	..	..	..	..	26	27	28	29	30	31	..	30	..	..	..	..	..	..
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	..	..	..	..	1	2	3	..	..	..	..	..	1	..	..	1	2	3	4	5	
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
28	29	30	31	..	..	..	25	26	27	28	29	30	..	23	24	25	26	27	28	29	27	28	29	30	31	..	..
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
24	25	26	27	28	29	30	29	30	31	..	..	..	..	26	27	28	29	30	..	..	24	25	26	27	28	29	30
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## CALENDAR 1923

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	..	..	..	1	2	3	4	..	..	..	1	2	3	4	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17	15	16	17	18	19	20	21
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31	..	..	..	25	26	27	28	..	..	..	25	26	27	28	29	30	31	29	30	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	1	2	3	4	5	..	..	..	..	1	2	3	1	2	3	4	5	6	7	..	..	..	1	2	3	4
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
27	28	29	30	31	..	..	24	25	26	27	28	29	30	29	30	31	..	..	..	..	26	27	28	29	30	31	..
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	2	..	1	2	3	4	5	6	..	..	..	..	1	2	3	..	..	..	..	..	1	
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
23	24	25	26	27	28	29	28	29	30	31	..	..	..	25	26	27	28	29	30	..	23	24	25	26	27	28	29
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# CENTRE COLLEGE OF KENTUCKY

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## FACULTY

- \*WILLIAM ARTHUR GANFIELD, A. M., D. D., LL. D.  
President's House  
*President; John C. Young and William C. Young  
Foundation*
- JOHN W. REDD, A. M., LL. D. 243 N. Third Street  
*Professor of Greek and German, Emeritus*
- SAMUEL ROBERTSON CHEEK, A. M. 120 E. Lexington Street  
*Professor of Latin, Emeritus*
- CHARLES GRAHAM CROOKS, A. M., LL. D. 448 W. Lexington Street  
*Registrar; Henry Bell Walters Professor of Mathematics*
- FRANK LEWIS RAINEY, S. B. 424 W. Broadway  
*Professor of Biology*
- HENRY MEIER, PH. D. 141 St Mildred's Court  
*Professor of Modern Languages*
- WALTER HATHERAL COOLIDGE, PH. D. N. Third Street  
*Professor of Chemistry*
- WALTER EVAN ERVIN, A. M. College Campus  
*Professor of Secondary Education*
- CHARLES ETHELBERT ALLEN, A. M. Maple Ave.  
*Professor of History and Political Science*
- JAMES HOWELL HEWLETT, A. M. University Apartments  
*Professor of English*
- JOHN HOWARD BILES, M. S. St. Mildred's Court  
*Professor of Physics*
- ALBERT EUGENE PORTER, A. M. Maple Avenue  
*Professor of Greek and Latin*
- RICHARD ELIJAH CLARK, PH. D. S. Third Street  
*Professor of Economics and Business Administration*
- BOYD ASHBY WISE, PH. D. W. Lexington Street  
*Professor of Rhetoric and Public Speaking*

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\*Resigned December 1, 1921.

- MAX DIEZ, PH. D. 141½ St. Mildred's Court  
*Professor of Modern Languages*
- GEORGE YEISLEY RUSK, PH. D. S. Fourth Street  
*Professor of The English Bible and Philosophy*
- MILTON CARLISLE MINOR, A. B., LL. B.  
*Instructor in Economics*
- WILLIAM HENRY SMITH, A. B., D. D. St. Mildred's Court  
*Instructor in The English Bible and Philosophy*
- ROBERT LEE MYERS, A. B.  
*Director of Athletics*
- EDWARD FLAIG, JR.  
*Librarian*

### STANDING COMMITTEES OF THE FACULTY

The President of the College is ex-officio member of all Committees.

#### UNDERGRADUATE STUDIES

PROFESSORS ERVIN, CROOKS, RAINEY

#### ATHLETICS

PROFESSORS ALLEN, COOLIDGE, PORTER, AND MESSRS. RODES AND COOK

#### STUDENT ORGANIZATIONS AND PUBLICATIONS

PROFESSORS ALLEN, MEIER, HEWLETT, WISE

#### PUBLIC FUNCTIONS AND CONTESTS

PROFESSORS ALLEN, HEWLETT, WISE

#### PUBLICATION

PROFESSORS COOLIDGE, ERVIN, DIEZ, CLARK

#### DISCIPLINE

PROFESSORS CROOKS, RAINEY, ALLEN, PORTER

#### SCHEDULE

PROFESSORS COOLIDGE, BILES.

#### RELIGIOUS WORK

PROFESSORS ERVIN, MEIER, ALLEN, RUSK

#### LIBRARY

PROFESSORS MEIER, HEWLETT, DIEZ

#### SOCIAL

PROFESSORS RAINEY, DIEZ, RUSK





# GENERAL INFORMATION

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## TWO-FOLD PURPOSE OF THE COLLEGE

First of all, Centre College strives now, as it has done in the past, to develop men of broad and sound culture. It proceeds on the principle that liberal symmetrical development should precede specialized training; that for successful life work a young man's mind and character require full cultivation, and that the college must, therefore, not be changed into a mere technical school.

On the other hand, the increased demands for technical training in professional and industrial life make it desirable that the student should also relate his undergraduate study directly to his life work. Although he should not sacrifice the symmetrical development of the whole man, yet he should have opportunity to do work that will bear upon the technical training that he will take later. Therefore, Centre College offers courses that lead up to the study of medicine, law, the ministry, education, agriculture, engineering, industrial science, and the like. The attempt is made to maintain a right balance between studies of cultural and disciplinary character and those that possess an intrinsic practical value.

## A CHRISTIAN COLLEGE

Centre College is pre-eminently a Christian College. It recognizes the fact that the spiritual welfare of the young man is of supreme importance. The Bible occupies an important place in the curriculum. Christian

principles are inculcated in the chapel services and elsewhere in the life of the College. From time to time, special services are held for the students, and addresses on the call of the ministry and the needs in the other professions, are given at the chapel hour.

The members of the faculty are all Christian men who recognize their responsibility for the moral and spiritual, as well as the intellectual, well-being of the students.

Centre College is not sectarian. Several Christian denominations are represented in the faculty, and students of all denominations receive cordial welcome and find here a friendly and congenial atmosphere.

## A SMALL COLLEGE

Centre College belongs to that type of educational institution called the "small college." There are distinct advantages to the student in being trained in such an institution. Among these are the individual instruction, the closer contact, and more intimate personal relations with experienced instructors, made possible by smaller classes and a smaller college community. There is also a better opportunity for the development of individual initiative and of the qualities of leadership in the greater community of interest and more intimate contacts of a comparatively small student body.

The record of Centre College in producing leaders in public, professional and business life is an unusual one, and is due in no small degree to the fact that it has always been a small college.

## A COLLEGE FOR MEN.

Centre College, as the only college in Kentucky which is not coeducational, offers all the advantages afforded by an institution which uses all of its facilities and equipment in fitting men only for the duties and work of life, and concentrates all of its efforts upon the accomplishment of that particular task.

## LOCATION

### ADVANTAGES OF LOCATION.

Danville, the seat of the College, is situated on the main line of the Queen & Crescent Railroad, extending with its leased lines from Cincinnati to New Orleans, and is the terminus of the Louisville division of the Southern Railway; it is also near the Lebanon and Knoxville branch of the Louisville & Nashville Railroad, and is easily accessible from all quarters. Danville is very near the geographical center of the State, within the "Blue Grass" region, and is surrounded by beautiful and fertile country. It has an elevation of about one thousand feet above the level of the sea, and the surrounding country is undulating so as to afford perfect drainage. Probably no more healthful spot can be found within the limits of the State. This small city of about 6,000 inhabitants is noted for its high moral tone, and for the refinement and intelligence of its people. It has long been the seat of important educational institutions for both men and women. The town has strong churches of all leading denominations, and the people are church-going.

## ACCESSIBILITY

The way to reach Danville is via the trunk line known as the Queen & Crescent Route, or by the Southern Railway from Louisville and intervening and connecting points. Solid vestibuled trains via the Q. & C. run from New Orleans, Meridian, Birmingham and Chattanooga to Danville without change.

## DORMITORY FACILITIES

### BRECKENRIDGE HALL

This building furnishes dormitory facilities of modern type, with every convenience that such a building should have. The building is steam heated throughout, with ample facilities for bathing and all toilet necessities.

All students receiving any form of scholarship, position as assistant, or other favors, from the College, live in the dormitory and large numbers of other students seek rooms here because of the superior advantages offered, the cheaper rates and the excellent location.

The janitor service of the dormitory includes the care of rooms, making of beds and all necessary attention.

The furniture includes single iron beds with springs and mattress, table, chairs, dresser, and washstand. All earthenware goods will be furnished by the occupant of the room, as also rugs, curtains, bed linen, and covers, pillows, etc.

Students rooming in Breckenridge Hall are required to make a deposit of \$5.00 to cover damages to

## Two Points Not Touched in Our Catalogue

### BOARD AND ROOM

Students are permitted to room where they choose, provided the location has the approval of the college authorities. Rooms in private homes range in price from two to four dollars per week.

The College Dormitory, Breckinridge Hall, is comfortable and well equipped, and has many desirable features for the student who wishes to reside on the Campus.

All dormitory reservations must be accompanied by the fee of \$5.

### WORK FOR ODD HOURS

Many Centre College students earn part of their way by working in odd hours. Waiting table in boarding houses and restaurants, clerical work, janitor and furnace work and many other lines furnish employment to many industrious students who need additional funds to meet expenses.

While the College does not guarantee work, an Employment Bureau is maintained for the purpose of assisting students to find desirable openings. It is not possible to do anything along this line until the student is on the ground, as employers insist upon personal interview with all applicants.



room or furniture. What remains of the deposit after paying for the damage done, will be refunded at the close of the year.

The charges for rooms in Breckenridge Hall are as follows:

One student in a single room, \$36.00 a semester, \$72.00 a year.

Two students in a suite, \$36.00 a semester, \$72.00 a year, for each occupant.

Two students in a single room, or three in a suite, \$25.00 a semester, \$50.00 a year, for each occupant.

### APPLICATION FOR ROOMS

Rooms will be reserved in order of application.

Application for reservation must be made to the Secretary or to the President, accompanied by a deposit of \$5.00, which will be credited on the rent of the room. If the room is not taken and the balance of the rent paid the deposit will be forfeited.

In making application it will be well to indicate the number of room according to first, second and third choice. Early application is recommended.

### PAYMENT OF RENT AND LIGHT

Room rent must positively be paid in cash in advance at the opening of each semester. No bills for rent will be sent to parents or guardians.

### EXPENSES

#### COLLEGE DUES

The Treasurer will be at the College for the collection of fees at the opening of each semester, when



all students are required to settle with him. Bills will be sent to parents or guardians upon written request from same. Before a student is admitted to actual standing in any class, a class card showing that he has complied with the rules relating to College charges must be presented. No fees will be returned save in cases of removal from the College on account of severe and protracted illness.

#### UNDERGRADUATE DUES

Matriculation Fee (Paid once only)-----	\$ 5 00
Tuition for regular schedule, First Semester---	25 00
Second Semester -----	25 00
General fees (public rooms, light, heat, care),	
First Semester -----	25 00
Second Semester -----	25 00

The general fees include the athletic fee and the subscription to the Cento, but do not include laboratory fees. These are given below.

Damage deposit, \$1.50 per semester. The order of the Board of Trustees as to this deposit is as follows:

Ch. 9. SEC. 2. When damage is done to the College buildings or the appurtenances thereof, and the one who did it can not be detected, it shall be paid out of the deposit of one dollar and fifty cents, required at the opening of each semester of all students. What remains of the deposit after paying for the damages done, shall be refunded to the students at the close of the year.

There is no charge for registration, if it is completed on the Registration Days; *otherwise, a fee of One Dollar will be charged.* This fee will be remitted only by order of the President upon presentation of a sufficient excuse for such delay. The mere fact of the



student returning to Danville after the opening of the term will not be considered as a ground for remitting the charge for late registration, unless the cause of such delay be illness or an equally important reason. *This rule, however, does not apply to new students who may enter college too late for registration on the regular days.*

A graduation fee of \$7.00, covering diploma fee and all expenses of Commencement Day, must be deposited by every candidate for graduation with the Treasurer of the College at the opening of the second semester. If the candidate should not receive a diploma, this deposit will be returned.

Laboratory fees are as follows:

*Chemistry*

All Laboratory courses, per semester-----\$7 50

*Physics*

All Laboratory courses, per semester----- 7 50

*Biology*

All Laboratory Courses, per semester----- 7 50

*Surveying*

For each course, per semester----- 5 00

The above fees cover the cost of ordinary experimental material, but students are charged extra for breakage and for special and rare material.

## GRADUATE DUES

For information concerning graduate dues, consult the general rules governing graduate study, page 70.

## SELF HELP

Lack of pecuniary means alone need not prevent young men of energy and persistent purpose from obtaining a college education. Many find remunerative employment for leisure hours and vacations which enable them to complete the course free from debt. It is generally true that there is work to be had about town for those who want it. It can not usually be engaged beforehand.

There are some opportunities for service in connection with the college open to qualified students.

## SCHOLARSHIPS

The College has a limited number of scholarships which are used, in accordance with the conditions governing the award of each, in aiding deserving young men who are unable to meet all the necessary expenses of a college course. It is not expected that those whose necessary expenses can be met by parents or through other sources will apply for such aid.

Scholarships will not be granted to students who fail to meet the following requirements:

1. Good scholarship.
2. High personal character.
3. The need of pecuniary aid.

4. Punctuality, regularity, and respect for law and order in student life.

5. Habits of economy in the use of both time and money.

In awarding scholarships preference is given to regular candidates for a degree, and to those who intend to finish their course in Centre College.

Every holder of a scholarship may be called upon to render to the college some service to be designated by the President. Such service shall not exceed five hours a week, and so far as possible will be of such nature as to have some educational value in itself. No scholarships are given to students conditioned in any subject.

## STUDENT ORGANIZATIONS

### YOUNG MEN'S CHRISTIAN ASSOCIATION

No organization in the country has exerted a more powerful influence for good upon the lives of young men than the Young Men's Christian Association. The local society of the international organization has long been an important factor in the life of the College. Religious meetings are held here regularly in the College Chapel on Thursday at the regular chapel hour, and occasional social gatherings are arranged by the Association.

The Association can be of special help to new students and they are urged to ally themselves with it immediately upon entering college. An Employment Bureau is operated by the Association.

## LITERARY SOCIETIES

There are two literary societies connected with the College—the Chamberlain and the Deinologian. The work of the societies is regarded as supplemental to that done in the class-rooms, and they are encouraged accordingly. Their exercises consist of debate, declamation, composition, and other forms of literary activity, and are conducted under such rules and regulations as the societies may adopt, consistent with the general objects of the College.

Credit is given in the English Department, under certain restrictions, for work done in the literary societies.

The literary societies hold public exercises on the 22nd of February. To the successful competitor a gold medal is awarded. The successful contestant in the contest represents the College in the annual Inter-Collegiate State Oratorical Contest. The Ernst Debate has been established by Hon. Richard P. Ernst, of Covington, Ky., and is held as the preliminary debate in view of the annual Inter-Collegiate Debate of the Kentucky Inter-Collegiate Debating Association.

## THE ROUND TABLE

The Round Table is a scholarship society of advanced students and members of the Faculty, instituted in the fall of 1907. It is intended to conserve and stimulate an interest in literary and humanistic subjects beyond the work of the class-room. To this end, at the fortnightly meetings of the club, the members read and submit for discussion papers within the scope of the Society's interests. Students who have completed with an excellent record in scholarship, two and one-half

years of work, and who have shown an active interest in humanistic and literary subjects, are eligible for membership.

## STUDENT PUBLICATIONS

The students of the College publish a bi-weekly paper, *The Centre College Cento*, which is devoted to the recording of current events in the College world, and to literary articles by the students, thus furnishing opportunity for valuable training in journalism to students with a gift for writing. In addition, an annual, "*Old Centre*," is published every spring by the Junior Class.

## STUDENT ACTIVITIES

The students are allowed and encouraged to form and maintain societies for useful purposes. But all such societies must be formed with the consent of the Faculty, and must be conducted in conformity with any regulations which the Faculty may from time to time prescribe.

No meeting of student organizations or associations, and no public meeting of students may be held during the hours devoted to the regular exercises of the College without permission of the President or the Dean.

No meeting of student organizations may be held in the chapel or recitation rooms of the College without permission of the President or the Dean.

To be eligible to participate in any inter-collegiate contest, or to participate, (1) in an oratorical, dramatic, or musical exhibition, (2) in the official management of any class organization, or college team, or (3) in official service on any student publication, a student

(1) must be carrying not less than 12 hours of college work and (2) must have passed in at least two-thirds of his work of the preceding semester, and (3) maintain a passing grade in two-thirds of his current work.

The Faculty Committee on Student Publications is authorized to review all student publications before issue whenever the occasion arises for such review.

No student publication shall appear without the sanction of the Faculty Committee on Student Publications.

Each student taking part in the Class Day exercises shall submit to the chairman of the Faculty Committee on Student Publications a copy of his speech at least one week before Commencement, and if he shall make additions to what is contained in the copy approved, or shall speak anything in public which he has been directed to omit, he shall forfeit his degree.

### BOARD OF CONTROL OF ATHLETICS.

Facilities are provided for various forms of athletic activities in the Boyle-Humphrey-Alumni Gymnasium and on Logan Cheek Field. Inter-collegiate athletic contests are under the supervision of the Board of Control of Athletics. This board is composed of members appointed from the faculty, the alumni association and the trustees. It supervises the expenditure of all funds devoted to athletics, determines the general policy of this branch of college life and has general oversight of the equipment of the various college teams.

Centre College is a member of the Southern Inter-collegiate Athletic Association and is governed by the eligibility rules of that body.

The following is a statement of these rules:



## ARTICLE IX.

*Rules of Eligibility*

The eligibility rules of this Association shall apply to every student competing in any athletic contest as a representative of any college in this Association.

*Remuneration*

SECTION 1. No student shall take part in any intercollegiate contest who receives any gift, remuneration, or pay for his athletic services directly or indirectly, or who bets on the game in which he participates.

SECTION 2. No student who receives any compensation from the college for services rendered by way of regular instruction shall be allowed to play on any team; but student laboratory assistants, or men holding analogous positions, shall not be barred by this rule.

*Assumed Name*

SECTION 3. No student shall play in any game under an assumed name.

*Scholarship Requirements*

SECTION 4. No student shall take part in any intercollegiate contest unless he is a *bona fide* student regularly enrolled as a candidate for a degree and doing full work in a regular course as defined by the regulations of the department in which he is enrolled, or, in default of such definition, by the regulations of the faculty committee on athletics.

SECTION 5. No student shall take part in intercollegiate athletics who does not matriculate in person within fifteen days after the opening date of the college.

### *General One-Year Residence Rule*

SECTION 6. No student shall participate in intercollegiate athletics at an institution until after the expiration of twelve (12) months from the date of his matriculation there, and until he shall have completed the scholastic requirements of this Association.

NOTE—This rule does not affect the playing time or the eligibility of any student now enrolled in college.

SECTION 7. No student shall be permitted to participate in intercollegiate athletics until he passes the scholastic requirements of his institution. This is interpreted to mean: The student must have or is entitled to have a class standing higher than that of the previous year.

### *Leaving College*

SECTION 8. No student who takes part in intercollegiate athletics and fails to remain in college for at least six months shall be eligible to play the following year.

### *Three-year Limit*

SECTION 9. Participation in intercollegiate athletics shall be limited to three years over a five-year period counting from the time of first matriculation. Participation in any intercollegiate sport in any college year shall constitute one year of athletic participation.

NOTE—This rule does not affect the playing time or the eligibility of any student now enrolled in college.

### *Summer Baseball*

SECTION 10. No student shall be eligible to participate in intercollegiate contests if he has played on any



baseball team which is a member of an organized league operating under the National agreement and under supervision of the National Baseball Commission.

### *Ineligible Player*

SECTION 11. No team of this Association shall play a suspended or debarred player.

### *Migratory Rule*

SECTION 12. No student who has participated in athletics as a member of any team of one institution of collegiate rank, shall be permitted to participate in any intercollegiate contests as a member of an athletic team of any other institution of this Association.

## ARTICLE X.

### *Certificate*

No student is eligible to take part in intercollegiate contests until his eligibility certificate has been filed by the faculty chairman of athletics with the district Vice-president. The certificates of colleges of the district Vice-presidents must be filed with the Secretary of the Association.

## ARTICLE XI.

### *Scholastic Games*

Football contests by members of this Association shall be had only with teams representing educational institutions, and no contests shall be had with high schools, secondary schools, academies, or similar institutions, without the consent and approval of the Executive Committee. This rule does not forbid games with freshman teams or second teams.

## ARTICLE XII.

*Non-S. I. A. A. Competition*

No team of this Association shall play any college team resident in S. I. A. A. territory which is not a member of this Association, without the consent and approval of the Executive Committee.

## ARTICLE XIII.

*(a) General Code*

No team, a member of the S. I. A. A. shall be permitted to have preliminary football practice prior to September 10th or prior to the opening of college.

No member of this Association is permitted to schedule games with colleges that do not conform with the code of rules adopted by this Association. Before every intercollegiate contest with non-resident teams the respective faculty chairmen of athletics of the colleges concerned shall submit to each other a certified list of the players eligible under the rules adopted to participate in said contest. In all cases this list must be filed seven days prior to the scheduled date of the contest. This list must be filed with the district Vice-president.

*(b) Chairmanship of Athletics*

The athletic director or coach shall not serve as faculty chairman of athletics.

## ARTICLE XIV.

*Training Table*

No member of this Association is permitted to maintain a training table for any intercollegiate team.

ARTICLE XV.

(a) *Modifying Contract*

Any team canceling or modifying a contract for a game with another institution without mutual consent must be reported to the Association for discipline.

(b) *Post-season Games*

The football season shall close not later than the Saturday immediately following Thanksgiving Day and no post-season games shall be permitted.

ARTICLE XVI.

No student shall participate or officiate in football games not representing educational institutions.

ARTICLE XVII.

*The Coach*

Any coach who in any way aids or abets in any violation of these laws, or in any way violates the spirit of these laws, shall be debarred from coaching any team in this Association, and any college employing such coach after his debarment or allowing him to serve in any capacity, shall be expelled from the Association.

ARTICLE XVIII.

*Annual Track Meet*

No teams except those of members of this Association shall take part in the annual field meet of this Association.

ARTICLE XIX.

The place of the annual track meet, which is held the second Saturday in May, shall be fixed at the annual meeting of the Association.

## ARTICLE XX.

The rules adopted by the National Collegiate Athletic Association shall, in general, govern all track meets of this Association.

## COLLEGE BUILDINGS

## THE MAIN BUILDING

This building, which was completed and occupied in the fall of 1871, is of brick with stone trimmings. It contains three stories and basement. On the first floor are the lecture rooms of the Departments of Mathematics, Modern Languages, History, and Economics and the Museum. The second floor contains the chapel and the lecture rooms of the Departments of English, Latin and Greek. On the third floor are the halls and the libraries of the literary societies.

## BRECKENRIDGE HALL

This building was erected in 1892, and rebuilt in 1908 in much improved form, having been practically destroyed by fire March 2, 1908. It is a three-story building which furnishes dormitory facilities of the most modern type, with every needed convenience. It is heated with steam, and lighted by electricity.

## YOUNG HALL

This handsome building, completed in 1909, is a memorial to the distinguished presidents of Centre College, Dr. John C. Young and Dr. William C. Young.

The building is 75 by 116 feet, three stories high, and is of Bedford stone and buff pressed brick, with tile roof. The basement story is of cut stone, and the

rest of the structure of brick handsomely trimmed with cut stone. The interior of the building is finished with white pressed brick, and the interior wood finish is of yellow pine, with heavy beams and wood ceiling.

The whole building, which is devoted to the work of the departments of Chemistry, Physics and Biology, is admirably fitted for the work for which it is designed, and the student will find here excellent equipment for the work of these departments.

### THE COLLEGE HOME

In this, the oldest building now upon the campus, the whole work of the College was conducted until 1871. This hall represents the glory and the traditions of "Old Centre."

The College Home and the President's home are on the north campus, and face the east, overlooking the beautiful grounds which are used for the summer Chautauqua, and are part of the old campus of the College. The high massive pillars, the broad porch, the white trimmings against the red brick give the College Home a picturesque appearance, and the attractive outlook makes it an ideal center for the College life.

### THE LIBRARY BUILDING

This building is 64 by 87 feet, two stories in height, and is built of brick, with stone trimmings and tile roof.

The first floor contains the president's offices, the faculty room, two seminar rooms, a stack room, and the boiler room. On the second floor are the reading room, 34 by 85 feet, stack rooms, the librarian's office, and the catalog room.

The stack rooms contain about 30,000 volumes and are equipped with metal stacks. The building, which is of modified colonial design, furnishes adequate space for the library together with every facility for its effective use.

The building is the gift of Mr. Andrew Carnegie and a special endowment has been provided for its upkeep.

### THE GYMNASIUM AND COLLEGE UNION

The Boyle-Humphrey-Alumni Gymnasium and College Union was completed in 1915. The building is two stories in height with a full basement, most of the latter being above ground.

The basement story is given wholly to dressing, bath and toilet purposes. The main locker and dressing room is 27 by 45 feet, with communicating toilet room and battery of showers. A room, 27 by 80 feet, is reserved for a swimming pool to be installed later. This room will be used temporarily as a baseball cage. A large dressing room, with separate toilet and shower baths, is arranged for the athletic teams, and another dressing room, with its own equipment of shower baths, is provided for visiting teams. A steam drying room, the physical director's office and measuring room, and the boiler room complete the basement story.

The gymnasium floor is 55 by 80 feet, giving ample space and adequate facilities for basket ball, indoor baseball, volley ball and other indoor games. A running track, supported from the wall by steel beams, circles the gymnasium and serves as a spectator's gallery when needed.

The east end of the building communicates with the gymnasium, but is used separately for the Centre Col-



lege Union, or student social center. On the first floor is the lounging room. A large fireplace is an attractive feature of this general social room. The offices of the director of physical training are also on this floor, adjoining the lounging room referred to above. The second story contains an assembly room for student meetings, and a large billiard and game room. It is intended that these quarters shall be a real social center for the students of the college, a general resort, in connection with the gymnasium, for amusement and recreation.

## LABORATORIES AND MUSEUM

### CHEMISTRY

The department of chemistry is located on the third floor of Young Hall. Here are laboratories well equipped for the work outlined in this catalogue. A commodious hall connects the various laboratories, the main store room, a lecture room and the private office of the professor. The laboratory for the first year work extends along the entire eastern end of the building. At the west end of the building are laboratories for organic chemistry and qualitative analysis, which are separated from each other and from the private laboratory of the professor by glass partitions. The north side is occupied by a recitation room, a quantitative analysis laboratory and a balance room. A laboratory for physical chemistry is on the first floor.

The desks in all the laboratories are arranged in such fashion that the working surface is unbroken. Through the center of each desk runs a lead-lined trough, into which all the water from the taps falls, these troughs emptying into large alberene stone sinks

at the end of each section of desks. The water and gas fixtures are placed over the center of the troughs, with convenient connections for use on either side of the desks. All desk tops, except those in the laboratory for organic chemistry, which are of alberene stone, are treated with a preparation which makes them practically impervious to reagents. The hoods in all laboratories are equipped with the usual gas and water connections; also with hot water baths.

The main lecture room supplied with modern conveniences, is arranged for seating eighty students. At the lecture desk convenient taps deliver water, coal gas, hydrogen sulphide and compressed air. Experiments with objectionable gases can be performed before the class through the use of a large hood to the rear of the lecture desk.

## PHYSICS

The Department of Physics occupies rooms on the first and second floors of Young Hall. On the second floor are two large laboratories, one for elementary and one for advanced work; also a lecture room seating seventy-five students and supplied with all the ordinary conveniences. On this floor are also a work shop with screw-cutting lathe, drill-press and all necessary tools, the professor's office and the science library.

On the first floor are situated two rooms which can be darkened for photometric and spectroscopic work, a photographic dark room, a room with double walls for constant temperature work, a storage battery room, a laboratory with piers for delicate work in electrical measurements and a dynamo laboratory. The laboratories are supplied throughout with heavy oak indi-



vidual tables and equipped with gas, water and compressed air. Alternating current is supplied from the city power plant and direct current from a motor-generator and storage battery. There is a sufficient supply of apparatus for elementary work to allow of the laboratory experiments being conducted on the multiple plan. For more advanced work there is provided a good collection of accurate resistance boxes, sensitive ballistic and dead-beat galvanometers, portable voltmeters and ammeters, Wheatstone bridges, mica and paper condensers, induction coils, spectroscopes, a polariscope, and interferometer, a Sharp-Millar photometer, and other apparatus suitable for accurate measurements.

A complete dynamo laboratory provides facilities for instruction in the care, operation and testing of electrical instruments and apparatus. The laboratory is supplied with alternating current from the town plant and direct current for experimental purposes is obtained from a generator driven by a ten horsepower induction motor. The equipment includes also a double current generator capable of a great variety of uses, and series, shunt and induction motors. Various types of transformers, meters and arc lamps are represented and all necessary lamp banks, rheostats and portable measuring instruments are provided. A three panel marble switchboard is used to make connections for operating the apparatus under any desired conditions.

## BIOLOGY

The biological laboratories are located on the first and second floors of Young Hall. They include a laboratory for general biology, one for bacteriology and

one for animal morphology and histology. There is also a lecture room and a private office for the instructor. The equipment is modern and includes microscopes of the Bausch & Lomb BB4 type, a Minot microtome for paraffine sections, a Bausch & Lomb microtome for celloidin sections, paraffine baths, a growing chamber for plant work, a set of skeletons mounted and disarticulated for work in comparative osteology, and other equipment necessary in a well organized biological department. The bacteriological equipment meets the needs of extended work in this important branch of biological study and includes steam and hot air sterilizers, autoclave incubator, serum inspissator, etc. A number of plaster models of the latest construction provide illustrative material in anatomy.

The lecture rooms of the departments of biology and physics are equipped jointly with a Bausch & Lomb Universal Balopticon. This provides for projection from lantern slides and opaque objects. There are attachments for spectroscopic and microscopic projection.

### MUSEUM

The Museum is well equipped with material for illustrations in all branches of geological study. The typical minerals are systematically arranged so that one can see by a glance at the labels where each belongs in relation to others; the various ores, with duplicates convenient for study, are provided for critical examinations.

In paleontology, fossils typical of all the epochs are on the shelves and in the work-room for special inspection. The rarer forms, such as *Ichthyosaurus*,

Plesiosaurus, Pterodactylus, Dinosaurus, Glyptodon and Megatherium, are represented by Ward's casts, supplied through the liberality of the late Dr. John W. Scott.

## ATTENDANCE, EXAMINATIONS AND STANDING

### REGISTRATION AND ATTENDANCE

All students should present themselves punctually at the opening of the session in September. Many disadvantages result from late entrance, and in some instances it has been found impossible for a student entering late to maintain his standing in the class. Prompt attendance is, therefore, earnestly enjoined upon all who wish to derive the full benefits of the course of instruction. Prompt and regular attendance is required on all class and laboratory exercises.

### PUBLIC WORSHIP

Devotional exercises, consisting of prayers, hymns and Scripture reading, are conducted in the chapel four times a week, and all the students are required to be present.

### EXAMINATIONS

Examinations of all the classes are held at the close of each semester, and are conducted by the several professors in their departments. Students making a grade of 90 are exempt from semester examinations. Special examinations are held during the year, as needed.

## REPORTS TO STUDENTS AND PARENTS

Reports of each student's scholarship, attendance and general deportment are made to his parents or guardian twice a year. Special reports are made at shorter intervals if there is anything in the student's conduct or standing to call for them. In these reports the student's standing is given by the letters A, B, C, D, E, or F. A represents the highest grade of work, while D indicates the work of the lowest grade for which credit is given. E and F stand for work below the passing grade, E denoting a condition, and F a failure.

When the grade of a student falls below D, the instructor shall report the fact at once to the President, who will send a formal notification of the deficiency to the student. If a second report is made, notification will again be sent to the student, and at the same time his parents or guardian will be informed of the unsatisfactory character of his work.

## CONDITIONS AND FAILURES

A student who is conditioned in any course may remove the condition by passing a satisfactory re-examination upon the work of the semester, or, in the discretion of the instructor, by doing additional work. A student conditioned in a required course must repeat that course with the class the next time such course is given, unless the condition is removed previous to that time. Unless a condition in an elective course has been previously removed, that course must be repeated with the class, or an equivalent elective course must be taken in class. The repeated or substituted course

must be taken the first time such course is given after the condition is incurred.

A failure can be removed only by repeating the course in class, or, in the case of an elective course, by taking an equivalent elective course. The repeated or substituted course must be taken the first time such course is given after the failure is incurred.

A fee of \$2.00 shall be charged for each re-examination to remove a condition incurred by a failure to make a passing grade. This fee must be paid at the College office and the receipt therefor shown to the instructor before the examination may be taken. Re-examinations may be taken at dates arranged with the instructor. Only a passing grade may be given on a re-examination.

When the mark "Abs." has been reported and the student's absence from examination excused by the President, he shall have the right to an examination on payment of a fee of \$2.00, receipt for which must be shown to the instructor before the examination may be taken.

A student absent from an examination without being excused shall be conditioned in that course. For the special examination to remove a condition incurred in this way, a fee of \$5.00 will be charged. This fee must be paid at the College office, and the receipt shown to the instructor before the re-examination can be taken.

## ABSENCES AND EXCUSES

Every absence from recitation shall count a zero in the determination of grades unless all omitted work is made up to the satisfaction of the instructor. Op-

portunity to make up such omitted work shall be given only when the instructor is satisfied that there is good reason for the absence.

If the work made up consists of lectures, laboratory practice, written recitations, or other work requiring the supervision of an instructor, a charge of fifty cents for each hour so occupied shall be made. The necessary amount must be paid in advance at the College office and the receipt presented to the instructor before the work can be made up.

Absences on account of contests and conventions away from Danville under the sanction of the faculty will not entail absence penalties provided all omitted work is made up promptly.

## PRIZES

### THE HENRY BARRET BOYLE PRIZE

The Henry Barret Boyle Prize, established by Gen. J. T. Boyle, is annually awarded to the best Latin student of the Sophomore class, provided that the contestant's work in every other department is of high order. The prize consists of a valuable gold watch appropriately engraved. The award is publicly made by the President on Commencement Day.

### THE ORMOND BEATTY ALUMNI PRIZE

In 1886 the alumni of Centre College contributed a fund of \$1,000 to signalize the completion of President Beatty's fifty years' service to his alma mater. The annual interest on this fund is publicly awarded on Commencement Day to the student of the Senior class who has the best record for punctuality, deportment



and scholarship. In determining this award account is taken of Senior work only.

### ORATORICAL PRIZE

An oratorical contest between the literary societies is held on February 22. A gold medal is given by the College to the successful contestant.

### THE WILLIAM ERNST PRIZE

This prize has been offered by the Hon. Richard P. Ernst, of Covington, as a memorial of his father, Mr. William Ernst. The gift, amounting to \$75.00, is awarded in three prizes of \$25.00 each to the three ranking men in the Inter-Society debate.

### THE ROBERT POWELL JACOBS PRIZE

The Robert Powell Jacobs Greek Prize, established by Mrs. Robert Powell Jacobs, will be awarded to the best Greek student of the Greek department. The basis of the award will be the grade of work as shown in class average, tests and examinations, and also the character of work done in other departments of the College. The Prize, a gold watch or some other kind of inscribed memorial, will be awarded on Commencement Day.

# ADMISSION TO THE COLLEGE

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The requirement for entrance to Freshman class is fifteen units.

**ADMISSION BY EXAMINATION.**—Candidates for the Freshman class, who are not graduates of an accredited school will be examined on all subjects accepted for entrance.

**ADMISSION BY CERTIFICATE.**—Graduates of accredited schools are admitted to the Freshman class upon presentation of a certificate issued by the superintendent or principal. Blank certificates can be obtained by applying to the President, Centre College, Danville, Ky.

No college credit will be given for high school work except upon examination, and the successful completion of a year of advanced work in the subject in which the examination was taken.

Accredited schools are divided into three classes known as classes AA, A and B.

## REQUIREMENTS FOR CLASS AA

Class AA of only such schools as are accredited by the "Southern Commission of Accredited Schools of the Association of Colleges and Secondary Schools of the Southern States.

## REQUIREMENTS FOR CLASS A

1. The school must offer a standard four-year course of study and require full fifteen entrance credits for graduation therefrom.



2. At least three teachers must be employed who devote all their time to high school work.

3. The enrollment must not exceed thirty pupils per teacher.

4. At least two-thirds of the teachers (including the Superintendent or Principal) must possess an academic scholarship equivalent to graduation from a standard college. The remaining one-third of the teachers must have scholarship equivalent to graduation from a standard high school, and in addition thereto the equivalent of two years work in college or normal school, a part of which should be in professional and pedagogical subjects.

5. A minimum period of forty minutes in the class must be given each recitation.

6. The school year must not be less than thirty-six weeks in length.

7. The equipment for teaching Science must not be less than \$300.00 in value, and the library for reference purposes should be not less in value than \$150.00, exclusive of public documents.

8. Classes must not be too large to handle properly the subject matter of the recitation.

9. The school sentiment both of the school and the community must be harmonious and progressive.

10. The work in school must be approved as satisfactory.

11. No school will be accredited which permits a pupil to make more than 5 units in one year, or which graduates pupils in less than  $3\frac{1}{2}$  years.

## REQUIREMENTS FOR CLASS B

1. The school must maintain a standard four-year course of study requiring fifteen college entrance units for graduation.

2. At least two teachers must be employed who devote all their time to high school work. At least half of the teachers (including the Superintendent or Principal) must possess an academic scholarship equivalent to graduation from a standard college. The remaining teachers must have the scholarship prescribed in requirement No. 4 under Class A Schools, for teachers not graduates of standard colleges, or not having equivalent scholarship.

3. The enrollment must not exceed thirty pupils per teacher.

4. The recitation periods must average forty minutes in the clear.

5. The school year must not be less than thirty-six weeks in length.

6. The equipment for the teaching of Science must not be less in value than \$150.00 and the library for reference purposes must not be less in value than \$75.00, exclusive of public documents.

7. Classes must not be too large to handle properly the subject matter of the recitation.

8. The school sentiment both of the school and of the community must be harmonious and progressive.

9. The work must be approved as satisfactory.

10. No school will be accredited which permits a pupil to make more than 5 units in one year, or which graduates pupils in less than 3½ years.

A list of accredited schools is prepared by the committee on accredited relations of the Association of Kentucky Colleges, which committee employs all sources of information as to extent and character of work done and courses offered. In every instance the endorsement of the State High School Inspector is indispensable.

Students will be admitted upon certificate from High Schools in states other than Kentucky if such High School is accredited by the State University, or the State Department of Education, of that State.

# ACCREDITED PUBLIC HIGH SCHOOLS IN KENTUCKY

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## CLASS AA

*Accredited by the Southern Commission of Accredited Schools.*

<i>Location</i>	<i>Name of School</i>
Ashland -----	High School
Bellevue -----	High School
Catlettsburg -----	High School
Carrollton -----	High School
Covington -----	High School
Cynthiana -----	High School
Danville -----	High School
Dayton -----	High School
Elizabethtown -----	High School
Fort Thomas -----	High School
Frankfort -----	High School
Georgetown -----	High School
Henderson -----	High School
Hickman -----	High School
Hopkinsville -----	High School
Lexington -----	High School
Lexington -----	Model High School
Louisville -----	Boys' High School
Louisville -----	Manual Training High School
Ludlow -----	High School
Madisonville -----	High School
Maysville -----	High School
Mayfield -----	High School
Morganfield -----	High School
Newport -----	High School
Owensboro -----	High School
Paducah -----	High School
Paris -----	High School
Richmond -----	High School
Shelbyville -----	High School
Somerset -----	High School
Sturgis -----	High School

## CLASS A

<i>Location</i>	<i>Name of School</i>
Adairville -----	County High School
Alexandria -----	County High School
Anchorage -----	Graded High School
Auburn -----	County High School
Augusta -----	High School
Bardstown -----	High School
Bardwell -----	Graded High School
Beaver Dam -----	High School
Bowling Green -----	High School
Burlington -----	High School
Cuba (Sedalia) -----	County High School
Central City -----	High School
Carlisle -----	High School
Clay -----	High School
Clinton -----	High School
Corydon -----	High School
Dawson Springs -----	High School
Earlington -----	High School
Elkton -----	High School
Eminence -----	High School
Falmouth -----	High School
Flemingsburg -----	High School
Franklin -----	High School
Fulton -----	High School
Glasgow -----	High School
Grayson -----	Prichard High School
Greenville -----	High School
Hardinsburg -----	High School
Harlan -----	High School
Harrodsburg -----	High School
Hartford -----	High School
Hazard -----	High School
Hodgenville -----	High School
Independence -----	County High School
Heath (Paducah R. 4) -----	High School
LaCenter -----	High School
LaGrange -----	High School

<i>Location</i>	<i>Name of School</i>
Lancaster -----	High School
Lawrenceburg -----	High School
Lawrenceburg -----	County High School
Lebanon -----	High School
Lexington -----	Picadome High School
Livermore -----	High School
Louisa -----	High School
Marion -----	High School
Mayslick -----	County High School
Midway -----	High School
Middlesboro -----	High School
Millersburg -----	County High School
Monticello -----	High School
Mt. Sterling -----	High School
Mt. Vernon -----	High School
Murray -----	High School
Nicholasville -----	High School
Owenton -----	High School
Pineville -----	High School
Princeton -----	High School
Providence -----	High School
Richmond -----	Caldwell High School
Richmond -----	Model High School
Shepherdsville -----	High School
Springfield -----	High School
Stanford -----	High School
Winchester -----	High School
Winchester -----	County High School
Wingo -----	High School

## CLASS B

Arlington -----	High School
Athens -----	County High School
Bandana -----	High School
Barbourville -----	High School
Barlow -----	High School
Bedford -----	County High School
Beech Grove -----	High School

<i>Location</i>	<i>Name of School</i>
Beelerton -----	High School
Benton -----	High School
Bethlehem -----	County High School
Bloomfield -----	High School
Boston -----	High School
Boxville -----	High School
Bradfordsville -----	High School
Brandenburg -----	High School
Brodhead -----	High School
Brooksville -----	High School
Buena Vista -----	High School
Buffalo -----	High School
Burgin -----	High School
Burkesville -----	High School
Burnside -----	High School
Butler -----	High School
Cadiz -----	High School
Calhoun -----	High School
Calvert City -----	High School
Campbellsville -----	High School
Caneyville -----	High School
Cayce -----	High School
Clarkson -----	Graded High School
Cloverport -----	High School
Corbin -----	High School
Corinth -----	High School
Columbia -----	High School
Crab Orchard -----	High School
Crofton -----	High School
Crutchfield -----	County High School
Cunningham -----	High School
Dry Ridge -----	County High School
Dixon -----	High School
Edmonton -----	County High School
Ekron -----	High School
Erlinger -----	High School
Ewing -----	High School
Farmington -----	High School



<i>Location</i>	<i>Name of School</i>
Finchville -----	County High School
Florence -----	High School
Fordsville -----	High School
Fulghum -----	County High School
Ghent -----	High School
Glendale -----	High School
Greensburg -----	High School
Greenup -----	High School
Hawesville -----	Beechmont High School
Hazel -----	High School
Henderson (R. F. D.)-----	Niagara High School
Horse Cave -----	High School
Houstonville -----	High School
Jenkins -----	High School
Kirksville -----	County High School
Lebanon Junction -----	High School
Leitchfield -----	High School
Lewisburg -----	County High School
London -----	County High School
Loneoak (Paducah R.)-----	County High School
Lowes -----	County High School
Mackville -----	County High School
McHenry -----	Central Park High School
Middleburg -----	High School
Middleton -----	County High School
Minerva -----	County High School
Morgantown -----	High School
Mt. Olivet -----	County High School
Mt. Sterling -----	County High School
Munfordsville -----	County High School
New Castle -----	High School
North Middleton -----	High School
Oddville -----	County High School
Olmstead -----	County High School
Owensboro -----	County High School
Owingsville -----	County High School
Paint Lick -----	County High School
Paintsville -----	High School



<i>Location</i>	<i>Name of School</i>
Paris -----	Little Rock High School
Pembroke -----	High School
Perryville -----	County High School
Pikeville -----	High School
Prestonburg -----	County High School
Reidland (Paducah R.) -----	County High School
Rich Pond -----	High School
Russell -----	High School
Russell Cave -----	County High School
Sacramento -----	High School
Sadieville -----	High School
Scottsville -----	High School
Sedalia -----	High School
Sebree -----	High School
Sharpsburg -----	High School
Simpsonville -----	County High School
Slaughters -----	Graded High School
Smithland -----	County High School
Smith's Grove -----	County High School
Sonora -----	High School
Stamping Ground -----	High School
St. Helens -----	High School
Sylvan Shade (Hickman) -----	High School
Taylorsville -----	High School
Tompkinsville -----	High School
Trenton -----	County High School
Troy -----	County High School
Union -----	High School
Uniontown -----	High School
Union City -----	County High School
Upton -----	County High School
Utica -----	County High School
Vanceburg -----	County High School
Versailles -----	High School
Vine Grove -----	High School
Waco -----	County High School
Waddy -----	County High School
Walton -----	County High School

<i>Location</i>	<i>Name of School</i>
Warsaw -----	High School
Washington -----	County High School
Water Valley -----	County High School
West Liberty -----	High School
West Point -----	High School
Whitesville -----	County High School
Whitley City -----	High School
Williamstown -----	High School
Wickliffe -----	High School

## ACCREDITED PRIVATE SCHOOLS IN KENTUCKY

## CLASS AA

<i>Location</i>	<i>Name of School</i>
Bowling Green -----	Ogden College
Clinton -----	Marvin University Training School
Elkton -----	Training School for Boys
London -----	Sue Bennett Memorial
Lyndon -----	Kentucky Military Institute

## CLASS A

<i>Location</i>	<i>Name of School</i>
Barbourville -----	Union College
Bardstown -----	St. Joseph's College
Berea -----	Academy
Berea -----	Normal School
Campbellsburg -----	High School
Campbellsville -----	Russell Creek Academy
Columbia -----	Lindsey-Wilson School
Frenchburg -----	High School
Jackson -----	Lees Collegiate Institute
Louisville -----	St. Xavier
Morehead -----	Normal School
Nicholasville -----	Threlkeld School
Paintsville -----	Jno. C. C. Mayo College
Pikeville -----	Pikeville Academy
Russellville -----	Logan College Academy
St. Marys -----	St. Mary's Academy
Stanton -----	Stanton College

<i>Location</i>	<i>Name of School</i>
Williamsburg -----	Cumberland College
Wilmore -----	Asbury College Academy
Winchester -----	Wesleyan Academy

## CLASS B

Barbourville -----	Baptist Institute
Grayson -----	Christian Normal Institute
Guerrant -----	Highland
Hazel Green -----	Hazel Green Academy
Hindman -----	Settlement School
Lost Creek -----	Riverside Institute

## ENTRANCE REQUIREMENTS

## Total Requirements: 15 Units

Every candidate for a degree must offer the following:

English -----	3	units
Mathematics -----	2½	units
History -----	1	unit
Science -----	1	unit
A Foreign Language -----	2	units
<hr/>		
Total -----	9½	units

To complete the total requirements of fifteen units, choice may be made from the following subjects:

Latin -----	1	to 4	units
Greek -----	1	to 3	units
German -----	1	to 3	units
French -----	1	to 3	units
Spanish -----	1	to 2	units
History and Civil Government -----	1	to 3	units
Solid Geometry -----		$\frac{1}{2}$	unit
Trigonometry -----		$\frac{1}{2}$	unit
Agriculture -----		$\frac{1}{2}$	unit
Botany -----	$\frac{1}{2}$	to 1	unit
Chemistry -----		1	unit
Geology -----	$\frac{1}{2}$	to 1	unit
Physics -----		1	unit
Physical Geography -----	$\frac{1}{2}$	to 1	unit
Physiology -----		$\frac{1}{2}$	unit
Drawing -----		1	unit
Manual Training -----		1	unit
Commercial Arithmetic -----		$\frac{1}{2}$	unit
Psychology -----		$\frac{1}{2}$	unit
Political Economy -----		$\frac{1}{2}$	unit
Zoology -----		$\frac{1}{2}$	unit
General Science -----		$\frac{1}{2}$	unit

## DEFINITION OF A UNIT

A unit represents a year's study of a subject in a secondary school.

This definition assumes that the academic year in the secondary school is not less than thirty-six weeks; that a class period is not less than forty minutes in length; and that the study is pursued for four or five periods a week. Two hours of laboratory work or manual training are to count for one hour of class room work. Less than one-half unit in any subject is not accepted.

Not more than four units in vocational subjects may be offered.

## ENTRANCE REQUIREMENTS IN THE SEVERAL SUBJECTS

### I. *English*

The requirement in English includes (1) ability on the part of the applicant to express himself in writing in a clear and accurate manner, and (2) ability to appreciate the qualities that mark a work as being literature. Evidence of some power of literary appreciation, even despite ignorance of particular books or authors, will be held more acceptable than unappreciative literary learning.

*Grammar and English Composition.*—The applicant ought to be familiar with the essential principles of English Grammar. He must also possess the ability to write in a plain and natural style short compositions upon subjects familiar to him, correct in spelling, punctuation, grammar, idiom, and division into paragraphs. One unit.

*Reading in Literature.*—These readings are divided into two classes, books intended for thorough study and practice, and books intended merely for general reading. Two units.

### *List of Books, 1920-1922*

A. BOOKS FOR READING.—The books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except that for any book in Group I a book from any other may be substituted.

GROUP I. CLASSICS IN TRANSLATION.—The Old Testament, at least the chief narrative episodes in

Genesis, Exodus, Joshua, Judges, Kings and Daniel, together with the books of Ruth and Esther.

The Odyssey, with the omission, if desired, of Books I-V, XV, and XVI.

The Æneid.

The Odyssey and the Æneid should be read in English translations of recognized literary excellence.

GROUP II. DRAMA.—Shakespeare, *Merchant of Venice*, *As You Like It*, *Julius Caesar*.

GROUP III. PROSE FICTION.—Dickens, *A Tale of Two Cities*; George Eliot, *Silas Marner*; Scott, *Quentin Durward*; Hawthorne, *The House of the Seven Gables*.

GROUP IV. ESSAYS, BIOGRAPHY, ETC.—Addison and Steele, *The Sir Roger de Coverley Papers*; Irving, *The Sketch Book*—selections covering about 175 pages; Macaulay, *Lord Clive*; Parkman, *The Oregon Trail*.

GROUP V. POETRY.—Tennyson, *The Coming of Arthur*, *Gareth and Lynette*, *Lancelot and Elaine*, *The Passing of Arthur*; Browning, *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Herve Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, “*De Gustibus*”—, *Instans Tyrannus*; Scott, *The Lady of the Lake*; Coleridge, *The Ancient Mariner*; and Arnold, *Sohrab and Rustum*.

B. BOOKS FOR STUDY.—The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I. DRAMA.—Shakespeare, *Macbeth* or *Hamlet*.

GROUP II. POETRY.—Milton, *L'Allegro*, *Il Penseroso*, *Comus*; Book IV of Palgrave's *Golden Treas-*

ury (First Series), with special attention to Wordsworth, Keats, and Shelley.

GROUP III. ORATORY.—Burke's *Speech on Conciliation with America*; Washington's *Farewell Address*; Webster's *First Bunker Hill Oration*; and Lincoln's *Gettysburg Address*.

GROUP IV. ESSAYS.—Macaulay, *Life of Johnson*; Carlyle, *Essay on Burns*, with a brief selection from Burns' poems.

## II. Mathematics

### a. ALGEBRA

The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions; ratio and proportion; linear equations both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers. One unit.

### b. ALGEBRA. QUADRATICS AND BEYOND

Exponents, including the fractional and negative; quadratic equations, both numerical and literal containing one unknown; simultaneous quadratic equations; problems depending upon quadratic equations, the binomial theorem for positive integral exponents, the formulas for the  $n$ th term and the sum of the terms of arithmetic and geometric progressions, with applications; and graphs.

Two units will not be allowed for Algebra unless the subject is taken two full school years with five recitations a week.



*c.* PLANE GEOMETRY

The usual theorems and constructions of good textbooks, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and measurement of the circle. The solution of numerous original exercises, including locus problems. One unit.

*d.* SOLID GEOMETRY

The usual theorems and constructions of good textbooks, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders and cones; the sphere and the spherical triangle, the solution of numerous original exercises including locus problems; application to the mensuration of surfaces and solids. One-half unit.

*e.* PLANE TRIGONOMETRY

General definitions of the functions, the relations of the functions, the solution of trigonometric equations, development of formulae, and the solution of triangles. One-half unit.

III. *Latin*

1. Grammar and Prose Composition. Translation into Latin of simple English sentences. One unit.

2. Caesar, Gallic War, Books I-IV, with questions on forms, the constructions and subject matter. One unit.

3. Virgil, Aeneid, Books I-VI, with questions on the constructions, subject-matter and prosody. One unit.

4. Cicero. Six orations, with prose composition continued. One unit.

IV. *Greek*

Xenophon. Anabasis. Books I, II, III, IV.



Grammar. Goodwin or equivalent. A knowledge of Attic inflection and of the principles of syntax is essential.

Prose composition. Collier and Daniell or equivalent. Ability to put English into Greek, *with accent*, is necessary. Two units.

## V. *German*

1. The student offering one year of German for entrance is expected to be grounded in the elements of grammar; to be able to read with correct pronunciation simple German passages and to translate simple prose from German into English and from English into German. The reading matter should cover from 100 to 150 pages.

It is recommended that the student present at least two years of German whenever possible.

2. The work of the second year should cover a review of grammar, with emphasis on syntax, a thorough drill on irregular verbs and the reading of about 300 pages of moderate difficulty. Sight reading, composition and conversation form also essential parts of the second year course.

## VI. *French*

1. One year of French should include the elements of the grammar, careful drill in pronunciation, abundant easy exercises in composition and the reading of 100 to 125 pages of easy French prose. In the grammar, one year's work should cover the essential elements.

2. The second year should include a more detailed study of the grammar and the reading of 200 to 300 pages of French prose and poetry of average difficulty; practice in translation at sight and ability to

master easy conversation. Composition should receive considerable attention.

## VII *Spanish*

1. A year's study of Spanish should assure a knowledge of the elements of grammar; ability to pronounce accurately, to translate easy prose, and to turn into Spanish simple English sentences. About 100 pages should be read. The student should have learned the conjugations of the regular and of the commoner irregular verbs.

2. In the second year the work should include the reading of about 200 to 300 pages of average difficulty, mastery of the grammar and syntax, with frequent exercises in composition.

Where possible with profit, elementary conversational exercises are valuable.

## VIII. *Advanced German, French or Spanish.*

Candidates for the higher classes than the Freshman in German and those who desire advanced credits in French and Spanish are required to pass an examination on all work previously done by the class which they desire to enter.

## IX. *History*

Preparation in history will be given credit upon the basis of time devoted to the study of each branch of the subject, rather than upon the amount of the ground covered.

It is recommended that not less than one year be given to any of the courses outlined below. The training in history should require comparison and the use of judgment on the pupil's part, rather than the mere use of memory. The use of good text-books, collateral

reading, practice in writing, and accurate geographical knowledge are essential. One unit in Ancient and Mediaeval History and one unit in Modern History with emphasis on English History will be accepted, but General History will not be accepted.

- a.* Ancient History (to 800 A. D.)—One unit.
- b.* Mediaeval and Modern History—One unit.
- c.* English History—One unit.
- d.* American History and Government—One unit.

## X. *Science*

### *a.* PHYSICS

The preparation in physics should include individual laboratory work, comprising at least forty exercises, twenty of them quantitative; instruction by lecture table demonstrations, to be used mainly as a basis for questioning upon the general principles involved; and the study of at least one standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary physics. One unit.

### *b.* CHEMISTRY

The preparation in chemistry should be conducted upon the same general plan suggested for the work in physics. One unit.

### *c.* PHYSICAL GEOGRAPHY

The preparation in physical geography should include the study of at least one of the modern text-books, accompanied by field work. One-half to one unit.

### *d.* PHYSIOLOGY

The preparation in physiology should include a study of the nature of foods and their history in the body; the essential facts of digestion, absorption, cir-

culatation, secretion, excretion, and respiration; the motor, nervous, and sensor functions; and the structure of the various organs by which these operations are performed. A note-book with careful outline drawing of the chief structures studied anatomically together with explanations of these drawings, and the study of a good text-book are essential. One-half unit.

*e.* BOTANY

The preparation in botany should include a study of the structure and elementary physiology of the seed plants; ecology, the natural history of the plant groups, and classification. The laboratory method of instruction should be emphasized, but not further than it can be done with a simple magnifier. Accurate drawings and concise notes should be prepared by the student. One-half unit.

*f.* ZOOLOGY

The preparation in zoology should be along the same lines as those laid down for botany. It should be such as to render the student familiar with the salient characteristics of each of the animal sub-kingdoms. This can be accomplished only by a laboratory study of at least one type of animal under each sub-kingdom. One-half unit.

*g.* GENERAL SCIENCE

One-half year's work with satisfactory text. General Science must be preliminary to any other work in science, and will be accepted only when so taken.

XI. *Drawing*

Candidates must submit a complete set of drawings, made under the supervision of a teacher of drawing and properly certified by him. These drawings

should show ability in the candidate to execute plain lettering, to make orthographic sketches of machine parts, and orthographic projection. One-half to one unit.

## XII. *Shop Work*

Thorough manual training in wood work. A notebook containing description and sketches of work done is required. One-half unit.

## ADVANCED STANDING

Candidates for advanced standing are examined in the studies which have been pursued by the class which they propose to enter or in others equivalent to them.

Those who have been members of other colleges must present certificates of regular dismissal, and they will be given credit for the studies pursued. Those bringing letters of dismissal from colleges having the same or equal requirements for admission with Centre College and which offer the same or equal courses of study, will be admitted without examination, to the standing they have held in the institution from which they come.

No student will be admitted as a candidate for a college degree later than the beginning of the Senior year.

No college credit will be given for high school work except upon examination, and the completion of a year of advanced work in the subject in which the examination was taken.

## REQUIREMENTS FOR DEGREES

1. *Amount of Work Required for the degree of Bachelor of Arts.*—The student must complete satisfactorily 124 semester hours. A semester hour is one recitation period a week, or its equivalent, pursued for a semester. The 124 credits earned by the completion of 124 semester hours are called quantity credits. No student may carry more than 17 semester hours at any time.

2. *Quality of Work Required for the Bachelor's Degree.*—The student must earn at least 120 quality credits. Three quality credits are given for each semester hour's work completed with grade A; two quality credits for each semester hour with grade B; one quality credit for each semester hour of grade C. This means that an average grade of C must be maintained on all of the work of the four years. For each 75 quality credits one quantity credit towards graduation is given.

The required 124 semester hours are to be made up as follows:

1. Not less than 24 or more than 40 semester hours in a major subject chosen not later than the middle of Sophomore year. Work done in the major subject previous to such choice is counted as part of the required 24 semester hours. The head of the department in which a student chooses his major becomes his adviser at the time of choice.

2. Six semester hours of English.

3. Eight semester hours of Latin, Greek or Mathematics.

4. Six semester hours of Psychology or Logic.



5. Eight semester hours of Bible.

6. At least fourteen semester hours in each of the following groups of subjects. The requirements in each group must be divided between at least two subjects and can not be counted towards the major.

GROUP I.	GROUP II.	GROUP III.
English	Bible, Psychology	Mathematics
Greek	and Philosophy	Biology
Latin	Education	Chemistry
German	History and Political	Physics
French	Science	
Spanish	Social Science	
	and Economics	

7. A student who offers four units of foreign language for admission to college must complete 16 semester hours of foreign language in college. A student who offers three units of foreign language for admission must complete 20 semester hours of foreign language in college. A student who offers two units or less of foreign language must complete 24 semester hours of foreign language in college.

8. The remaining hours necessary to complete the requirement of 124 semester hours may be chosen as free electives.

Majors are offered in the following subjects: (1) English; (2) Greek and Latin; (3) Modern Languages; (4) History and Political Science; (5) Mathematics; (6) Biology; (7) Chemistry; (8) Physics; (9) Education; (10) Economics and Social Science.



## FRESHMAN STUDIES

	1st Semester	2nd Semester
English -----	4 hours-----	4 hours
Foreign Language -----	3 or 4 hours-----	3 or 4 hours
Mathematics or Science -----	4 hours -----	4 hours
Bible -----	1 hour-----	1 hour
Elective -----	3 or 4 hours-----	3 or 4 hours

## ADVISERS

A system of advisers has been organized to facilitate registration, to guide each student in the choice of his studies, and to bring him into closer touch with the staff of instructors.

The Registrar is the adviser of all Freshmen and of all other students until each has chosen his major subject. This choice must be made by the middle of Sophomore year, and the head of the department in which a student chooses his major then becomes his adviser.

## CLASSIFICATION

For promotion to the Sophomore, Junior or Senior class the student must have at least as many quality as quantity credits. Promotion in the seating of students in chapel will be upon the same basis as promotion for catalogue classification in the number of both quantity and quality credits. Classification is determined in September of each year.

For promotion to the Sophomore class a student must have 26 quantity and at least 26 quality credits; for promotion to the Junior class he must have 56 quantity credits and at least 56 quality credits; for promotion to the Senior class he must have 88 quantity credits and at least 88 quality credits.

## ABSENCES FROM CLASS

Each semester hour successfully carried, entitles a student to one credit towards graduation. But in case of more than three unexcused absences from any course, credits are deducted according to the following rule: One-half credit for absences more than three and less than six; one credit for six or more but less than nine; one and one-half credits for nine or more but less than twelve; and for twelve two credits shall be deducted. Each absence during the two days immediately preceding or following a recess or vacation shall count as two absences for the purpose of this rule.

Every absence from recitation shall count a zero in the determination of grades unless all omitted work is made up to the satisfaction of the instructor. Opportunity to make up such omitted work shall be given only when the instructor is satisfied that there is good reason for the absence.

If the work made up consists of lectures, laboratory practice, written recitations, or other work requiring the supervision of an instructor, a charge of fifty cents for each hour so occupied shall be made. The necessary amount must be paid in advance at the College office and the receipt presented to the instructor before the work can be made up.

## ABSENCES FROM CHAPEL

Seven absences or ten per cent of the total chapel services are permitted. A student exceeding this number with *unexcused* absences will be suspended from all college activities for the remainder of the semester.

Proper authorities will consider chapel absences at periods to be announced. Chapel absences will be held as *unexcused* if not accounted for on or before one week from the *Monday* following the week in which the absence occurs.

### *Requirements for the Degree of Master of Arts*

Bachelors of the several courses of the academic department of Centre College, or graduates of other institutions having requirements for the baccalaureate degree which are substantially equivalent, may be enrolled in the Graduate Department as candidates for the degree of Master of Arts.

Application for enrollment must be made in writing to the Committee on Graduate Studies at the beginning of the collegiate year in which the degree is to be taken.

With the application an outline of the candidate's intended course of graduate study must be submitted, together with the signed approbation of the professors with whom he expects to work. This choice of subjects is final.

The tuition fee of the Graduate Department is \$100.00, payable in advance in two installments at the opening of each semester. In addition, a diploma fee of \$10.00 is charged, payable when the thesis is submitted for examination.

The degree of Master of Arts will be conferred upon those candidates who, having complied with the above requirements, shall have completed the required graduate work as follows:

1. They shall have completed to the satisfaction of the professors in charge a course of graduate study,

which is the equivalent of fifteen hours of class work a week.

2. This course shall be pursued at this College during a residence of not less than one collegiate year. Work "in absentia" will not be recognized towards a degree.

3. This course of study shall consist of a principal subject (major) and a subsidiary subject (minor).

4. The Major and the Minor subjects must be chosen with the consent of the Committee on Graduate Studies, in different but related departments.

5. The courses must be of an advanced character and the work done by a candidate show zeal and ability. No subject counted for the baccalaureate degree or towards a professional degree will be counted for the Master's degree.

6. Of the fifteen hours of required work a week, five hours shall be devoted to the minor subject.

7. Not later than three weeks before Commencement the candidate must submit to the Committee on Graduate Studies a thesis approved by the professor in charge of the major course.

8. The candidate's thesis having been approved by the committee, he must pass a satisfactory examination before a board of three examiners, consisting of the professors in charge of the candidate's major and minor subjects and a representative of the Committee on Graduate Studies. The signatures of the three members of the examining board must appear on the report of the examination to the President of the College.

9. Before the successful candidate receives his diploma he must deposit in the College Library a type-written copy of his thesis, properly bound.

# Courses of Instruction

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Courses marked with an asterisk may be counted towards the Master's degree.

## I. BIOLOGY

PROFESSOR RAINEY

MR. JOHNSON, MR. COOK, MR. PENNINGTON AND MR. PRIVETTE, Student Assistants in Laboratory.

### 1 *Elementary Animal Biology*

A study of the fundamental principles of biology. The properties of protoplasm, the structure and development of the cell, metabolism and reproduction are discussed. Laboratory study of forms and experiments illustrative of physiological processes are made. Four hours, first semester.

### 2 *Animal Biology*

A continuation of 1, especial emphasis being placed upon the morphology and physiology of the vertebrates. Dissection of the frog and a study of the development of the same in the laboratory. Four hours, second semester.

### 3-4 *Comparative Anatomy of the Vertebrates*

A comparative study of the anatomy of the shark, perch, turtle, pigeon and rabbit and of human osteology. Four hours, first and second semesters. Given in 1922-23.

### 5 *Economic Entomology*

This course will include a study of the morphology and life histories of insects that have a marked relationship to agriculture and sanitary science. It is

intended primarily for students who are looking towards the study of agriculture. The class will not be formed unless at least five students apply for it. Four hours, first semester. Given in 1923-24.

## 6 *Histology*

In this course attention is given to the technique of the preparation of animal tissue for microscopical study, and to the study of the morphology of elementary tissue and of the organs and systems of the animal body. Four hours, second semester. Given 1923-24.

## 7-8 *Bacteriology*

A general course in the study of bacteria. The preparation of culture media, staining, and the morphology and physiology of the bacteria and yeasts. During the second semester emphasis is placed on the sanitary aspects of the subject, or on its application to soils and agricultural processes, or on its relation to human pathology, as the needs of the individual student may suggest. Four hours, first and second semesters.

## 9-10 *Evolution and Genetics*

A lecture course accompanied by assigned reading on the evidences of the doctrine of organic evolution and the various theories of heredity. The topics of variation, adaptation and other problems that arise in connection with evolutionary biology are discussed and considerable attention is given to their application to plant and animal breeding and to eugenics. Courses 1 and 2, or their equivalent are prerequisite. Two hours, first and second semesters.



## II. CHEMISTRY

PROFESSOR COOLIDGE

MR. CARTER, MR. KOBERT AND MR. RICH,  
Student Assistants in Laboratory.

A deposit of two and one-half dollars (\$2.50) is required of each student.

1-2 *General Chemistry*

Illustrated lectures and laboratory work. A large part of the laboratory time is devoted to quantitative experiments. It is the purpose of this course to develop the fundamental chemical laws and to show the relation of chemical theory to those laws. Four hours throughout the year. Prerequisite, High-School Chemistry or Physics.

3 *Qualitative Analysis*

The course is developed in the light of ionic and mass actions, and the chemical basis of analytical methods receives special emphasis. Many commercial substances are analyzed and it is the aim that there be a thorough drill in all the important methods of analysis. Four hours, first semester. Given in 1922-23.

4 *Physical Chemistry*

Lectures and laboratory work dealing with the principles and methods of physical chemistry. Four hours, second semester. Given in 1923.

5-6 *Organic Chemistry*

This course consists of lectures presenting the relations between the different classes of organic compounds, together with the structural formulae and the evidences upon which they rest. The laboratory work



is devoted to the preparation of typical organic compounds and the study of their properties. Four hours throughout the year. Given in 1923-24.

#### 7-8 *Quantitative Analysis*

Gravimetric, volumetric and electrolytic analysis. Laboratory work, problems and conferences. Four hours throughout the year.

#### 9-10 *Commercial Analysis\**

This is an advanced course in quantitative analysis in which commercial methods of analysis receive attention, such as water analysis, food analysis, fuel analysis, gas analysis, iron and steel analysis, and assaying. Hours and credit to be arranged.

### III. ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSOR CLARK AND MR. MINOR

#### 1-2 *Principles of Economics*

A study of the conditions of national prosperity as wealth, competition, law, morals, and geographical situation. An analysis of the productive forces and industries of society. Exchange from angles of value, money, banking, marketing, and foreign commercial policy. Under distribution are examined principles determining rate of wages, interest, rent, and profit. Rational consumption. Luxury. Taxation. Current social policies aiming at economic reform.

Three hours, throughout year. Prerequisite for all other courses in Economics unless permission is otherwise.

### 3 *Principles of Sociology*

A study of the nature of society, social activities. Society and the individual. Evolution of the social mind and social institutions. Forces affecting the life of society, geographic forces; technic forces as the rural community, the city, wealth; psycho-physical forces as heredity, race and immigration; social forces as association, suggestion, sympathy, and imitation. An examination of public opinion and education as principles of social control in the treatment of crime.

Three hours, first semester. Not given 1922-1923.

### 4 *Labor Problems*

A study of the relation of the employee to the employer, including topics as woman and child labor, immigration, sweating system, poverty and unemployment, strikes and boycotts, labor organization, agencies of industrial peace, profit sharing, conciliation and arbitration, industrial education and labor laws.

Junior and Senior course. Three hours, second semester. Given 1922-23.

### 5 *Money and Banking*

An examination of the nature and functions of money. Theory of credit. Origin and development of banking. Domestic and foreign exchange. Bank currency. The clearing house. Commercial banking. Bank supervision. Federal Reserve system. Foreign banking systems.

Junior and Senior course. Three hours, first semester. Given 1922-1923.

## 6 *Elementary Accounting*

An analysis of the fundamental factors in first year accounting. The financial statement, the profit and loss statement, the account. Philosophy of debit and credit. Nature of the ledger, the purchase, sales, cash, and general journals. Trial balance. Adjustment and closing entries. Practice data to illustrate the theory of accounts. Opening and closing of corporation books.

Sophomore course for students majoring in Economics. Junior and Senior course for other students. Three hours, second semester.

## 7 *Business Law*

This course is designed to give the student a knowledge of the legal rights and obligations arising out of common business transactions. The fundamental laws pertaining to contracts, partnerships, corporations, negotiable instruments, sales, etc., are examined.

Three hours, first semester. Given 1921-1922.

## 8 *Business Finance*

A study of the fundamental principles of sound financing. Various forms of long and short term security issues for borrowed capital. Sources of capital funds to be raised. Methods of selling securities to raise capital. Direct sales and underwriting. Efficient internal financial management. Investment of capital funds. Estimates for working capital. Determination of net income, and distribution of dividends. Use of the budget. Financial standards. Financial mismanagement as exploitation by directors and majority stock holders.

Three hours, second semester. Given 1921-1922.

## 9 *Railway Transportation*

A survey of the development of transportation and a discussion of its social and economic influence. Railway problems in the United States. Methods of competition, combination, discrimination, and investments. Stock watering and speculation. Government regulation. Problems of federal administration and ownership of the railroads. Recent legislation.

Junior and Senior course. Three hours, first semester. Not given 1922-1923.

## 10 *Marketing*

A study of the complex group of services involved in the distribution of merchandise from producer to consumer. Importance of large scale production and modern consumption in the development of market structure and the performance of market functions. Direct contact between buyer and seller. Indirect contact in the handling of raw materials, capital goods, and finished products for large scale and household consumption. Intermediary brokers and wholesalers. Banking, credit, and advertising. Reduction of the costs of distribution.

Junior and Senior course. Three hours, second semester. Given 1921-1922.

## 11 *Business Letter Writing*

A study of the principles of business correspondence enabling the student to be brief, logical, specific and practical in writing letters. A critical examination will be given to letters and circulars sent out by the most reputable concerns of the present age.

Two hours, first semester. Not given 1922-1923.

## 12 *Criminology*

A scientific study of crime and criminals, treating of the historical development of crime, the physical characteristics of criminals, their mental characteristics, and the phenomena of criminal contagion, recidivation, etc. The endeavor is made to introduce the student to criminal sociology, criminal anthropology, criminal psychology, criminal jurisprudence, and penology.

Three hours, second semester. Sociology or its equivalent is prerequisite. Not given 1922-1923.

## 13 *Credits and Collections*

This course is to demonstrate the powerful influence of credit in the ministration of the world's affairs, to deal with the critical and restrictive work of the credit man and the exposition of constructive methods and policies.

Three hours first semester.

## 14 *Advertising and Salesmanship*

This course begins with the study of those principles of psychology which are essential to all successful advertising and selling methods. A careful analysis is made of typical advertisements carried in the best papers and magazines of today. Its purpose is to enable the student to so display his wares that he will find a ready market for his product, whether he becomes teacher, manufacturer, merchant, or business manager.

Three hours, second semester. Not given 1922-1923.

## IV EDUCATION

PROFESSOR ERVIN, MR. SPENCER, STUDENT ASSISTANT

1 *History of Education in the United States*

Education in the Colonies. Growth and development of the Colleges. Beginnings of the modern system. Development in special lines—Commercial, Vocational, Industrial, etc. Freshmen. Others by permission. Three hours, first semester.

2 *Educational Sociology*

The relation of educational principles to the home, community, church, business, and other social groups, wherever in contact—Parent-Teachers Associations, Federations, Unions, etc. Tradition and custom in school affairs, etc. Freshmen. Others by permission. Three hours, second semester.

3 *Social Psychology*

A study of individual activities as modified by social groups, as found in the crowd, the mob, the assembly, the literary society, the college fraternity, and other gatherings, social, business, religious; stressing suggestion, imitation, leadership and the development of art, religion, language as a means of social expression. Class, field and laboratory work. Sophomores. Others by permission. Three hours, first semester. Not offered 1922-1923.

4 *Philosophy of Education*

A discussion of the reasons underlying the development of our modern system of education. Sophomores. Others by permission. Three hours, second semester. Not offered 1922-1923.



### 5-6 *Educational Psychology*

The aim of this course is to emphasize the mental activities intimately connected with and bearing upon the educational practice in Secondary Schools. As far as possible, classroom observation and practice teaching will constitute the laboratory work in addition to text, lectures and student research. Three hours thruout one year. Juniors and Seniors.

### 7-8 *Theory and Practice of Teaching in Secondary Schools*

The foundation of methods. The study and application of educational principles. Organization of schoolroom problems. Preparation of schedule; use of textbooks; special reference to the "Question" in recitation. Three hours thruout the year. Juniors and Seniors.

### 9-10 *Administration of Public Education in the United States*

The study of the organization, administration and supervision of public education in rural, village and city communities. Especial emphasis will be placed on the secondary school in each. Three hours thruout the year. Juniors and Seniors. Others by permission.

### 11 *Principles of Secondary Education*

A discussion of the ideals to be aimed at by teachers and of the best methods of realizing them as disclosed by critical and scientific study of the underlying processes. Juniors and Seniors. Three hours, first semester. Not offered 1922-1923.



## 12 *General Educational Studies*

A detailed study of the problems involved in Educational Surveys, Mental Measurements, Project Work in Secondary Schools, Affiliated Student Interests, etc. Juniors and Seniors. Three hours, second semester. Not offered 1922-1923.

## V. ENGLISH BIBLE AND PHILOSOPHY

PROFESSOR RUSK, DR. SMITH

### 1-2 *The Gospels*

An inductive study of the life of Christ. Texts, the Revised Version and Stalker's *Life of Christ*.

### *The Pauline Epistles*

A study of several of the Epistles, Stalker's *Life of Paul*. One hour, two semesters, Freshman year.

### 3 *Old Testament History*

The general course of the political, social and religious history of the Hebrews. Texts, the Revised Version and Blaikie's *Manual of Bible History*. Three hours, first semester, Sophomore year.

### 4 *The Bible as Literature*

A study of the general literary structures as narrative, wisdom, oratory, lyric and dramatic poetry, prophecy. Text, Moulton's *The Literary Study of the Bible*. The Revised Version. Three hours, second semester. Required of Seniors and Juniors.

### 5 *Psychology (Elementary)*

The course covers the main topics of the subject, sensation, perception, attention, association, reasoning, impulse, instinct, emotion, volition, the self. The edu-

cational aspects of the subject are made prominent. The course is a general elective and is prerequisite to advanced courses in Education and Philosophy. Three hours, one semester.

## 6 *Logic*

The laws of thought. The problems, methods and principles of deductive and inductive logic. How to study. General elective. Three hours, first semester. Prerequisite, Psychology 1.

## 8 *Ethics*

The main types of ethical theory. Discussion and personal application of problems. Special readings and reports. Special application of the problems raised by the War and Reconstruction. Juniors and Seniors. Three hours, second semester.

## 9 *History of Philosophy*

1. From Thales to Plotinus. 2. The rise and decadence of Scholasticism. 3. The development from Bruno to Nietzsche, with discussions of present Philosophical tendencies and problems. Seniors and Graduates. Two or three hours, first semester.

## 10 *Contemporary Philosophy*

Readings and discussions in Pragmatism, Realism and other phases of modern philosophy. Seniors and Graduates. Two or three hours, second semester.

## VI ENGLISH LANGUAGE AND LITERATURE

PROFESSOR HEWLETT

The department of English Literature offers courses in the historical study of the English language, and in English and American literature. These courses seek to develop a love of literature and a genuine appreciation of the scholarly spirit in literary work. The English classes are planned to encourage a student to read for himself, to give him broader views of the range of literary study, and to enable him to pursue specifically the study of some particular literary topic or period, or to follow in detail the development of some special category of literature.

Students majoring in this department should plan to take from 36 to 40 semester hours of English, which should include Composition 1 and 2, Literature 1, 2, 3, 4, and 5. In addition to these courses, students of Literature should take Composition 7, Literature 16, and five elective courses; students preparing to teach should take Composition 7 or either Public Speaking 3 and 4 or 5 and 6, Literature 15, 16, and three (or four) elective courses.

*1-2 Introductory Course in the Study of Literature*

Required of Freshmen, and is to be taken in conjunction with Composition 1 and 2. One hour.

*3-4 General History of English Literature from the beginning down to the present time*

This course gives a survey of the development of English literature from Beowulf to Tennyson. The work consists of the study of representative classics

with lectures explanatory of their historical importance. Three hours.

5 *Shakespeare and his Contemporaries*

First half of the semester given to Shakespeare's predecessors and contemporaries, and the second half to Shakespeare himself. Three hours. Sophomore, Junior elective.

6 *The Romantic Movement (1744-1832)*

A study of the leading poets and prose writers from Pope to Charles Lamb, with special attention to Wordsworth, Coleridge, Byron, Shelley, and Keats. Three hours. Junior-Senior elective.

7 *Victorian Prose*

Lectures on the men and movements of the period, with special attention to Carlyle, Ruskin, Arnold, and Newman. Three hours. Junior-Senior elective. Not given in 1922-23.

8 *Victorian Poets*

Study of the leading poets of the period, with special attention to Arnold, Tennyson, and Browning. Three hours. Junior-Senior elective. Not given in 1922-23.

9 *Historical Survey of the English Novel*

The first part of the course will be given to a brief survey of the novel before Goldsmith; the second part will be given to the novels written between 1764 and 1900. Three hours. Junior-Senior elective.

10 *The Novels of To-day*

This course makes an untechnical survey of contemporary novels. A special library fee is charged. Two hours.

12 *The Drama of To-day*

Given in 1923-24.

14 *Poetry of To-day*

A survey is made of both American and British poetry since 1890. Not given in 1922-23.

15 *Old English*

After a few lessons in Grammar, the prose in Bright's *Anglo-Saxon Reader* will be read, and a part of *Beowulf*. Three hours. Junior-Senior elective. Given only when there is a demand for it.

16. *Chaucer*

A study will be made of the *Canterbury Tales*. Not given in 1922-23.

17 *American Literature*

Not given in 1922-23.

## VII. GREEK AND LATIN

PROFESSOR PORTER

*Greek*

The aim is to enable the student to acquire such a knowledge of the language as is essential to a liberal classical education. Stress is placed not only upon a careful study of the Greek language, its forms and syntax, but also upon the ancient Greek literature, its unity and originality, and the development, relationship and characteristics of its successive periods. Written examinations on Greek history and other subjects connected with Greek life are held each month. Three hours, first semester.

## 1-2 *Elementary Course*

This course is offered to those students who have not studied Greek, and yet desire to take the classical course. College credit is given for this course in the case of students who offer the full number of units required for admission to college but have not studied Greek. Four hours, both semesters.

## 3 *Selected Speeches of Lysias*

The grammar is carefully reviewed and the general principles of syntax are applied to class reading. Weekly exercises in translating from English into Greek, and monthly examinations in Greek history. Three hours, first semester.

## 4 *Homer's Iliad or Odyssey*

Grammar, prose composition and history continued. Seymour's *Language and Verse of Homer*; Jebb's *Introduction to Homer*. Three hours, second semester.

## 5 *Plato's Apology and Crito*

Syntax, prose composition and history continued. A brief sketch of Greek Philosophy. Three hours, first semester.

## 6 *Demosthenes' On the Crown*

Syntax, prose composition and history continued. A study of the Attic orators, and of the social and political life of the Greeks. Three hours, second semester.

## 7 *Euripides\**

A study of Greek drama and its influence. Jebb's *Primer of Literature*. Three hours, first semester, Junior elective.



8 *Sophocles\**

Metrical analysis of the drama read. Haigh's *Attic Theatre*. Study of Greek drama continued. Three hours, second semester, Junior elective.

9 *Aeschylus\**

With metrical analysis. Moulton's *Ancient Classical Drama*. Three hours, first semester, Senior elective.

10 *Thucydides\**

A study of the development of Greek history. Three hours, second semester, Senior elective.

11-12 *Greek Literature*

A study of the masterpieces of Greek literature in English versions. This course will enable the student to appreciate the influence of Greek thought, Greek culture and Greek ideals upon the best in modern literature. A knowledge of the Greek language is not essential. Three hours, Senior elective.

13 For admission to this course the completion of the under-graduate course in the Centre College or an equivalent, is necessary. There will be a thorough study of the syntax of mood and tense and advanced form composition. Readings from the Attic orators, the dramatists, and Thucydides. The selections will be varied from year to year. Greek history and literature. The private and public life of the Greeks. History of Athenian policies. Origin and development of the Greek drama. Metre and rhythm. Archaeology. Every effort will be made to assist the student in his private studies.

15-16 *New Testament Greek*

This course is offered especially to those students who expect to prosecute the study further in theological seminaries. Three hours, Senior elective.



*Latin*1 *Selected Letters of Cicero and Cicero's De Amicitia*

In connection with the authors read there will be weekly exercises in prose composition and periodical examinations in Roman History. Four hours, first semester.

2 *Livy*

Prose composition and Roman History as in 1. Four hours, second semester.

3 *Horace's Odes and Satires*

Prose composition and Roman History as in 1. Three hours, first semester, Sophomore year.

4 *Agricola of Tacitus, and two plays of Terence*

Prose composition and Roman History as in 1. Three hours, second semester, Sophomore year.

5 *Annals of Tacitus and Satires of Juvenal\**

Junior elective for those having completed the Latin of the Freshman and Sophomore years. Three hours first semester.

6 *Comedies of Plautus\**

Junior elective for those having completed the Latin of the Freshman and Sophomore years. Three hours, second semester.

7 *The Ethics of Cicero\**

Senior elective for those having completed the Latin of the Freshman, Sophomore and Junior years. Three hours, first semester.

8 *Poetry of the Augustan Age\**

Senior elective. Reports to be made on assigned topics. Three hours, second semester.

## VIII. HISTORY AND POLITICAL SCIENCE

PROFESSOR ALLEN

*History*1 *European History to 1815*

A general review of European History from the break up of the Roman Empire to the 16th century with a more detailed and careful analysis of the period from the beginning of the 16th century to the Congress of Vienna (1815). This course deals with the rise of national states, dynastic and colonial rivalries, and the beginnings of the struggles for constitutional rights. Particular attention is given to the economic, political and social forces of the period. Three hours, first semester.

2 *European History from 1815 to the Present*

A study of 19th century Europe from the Congress of Vienna through the Treaty of Versailles. Some of the important subjects are; the far reaching effects of the French Revolution, the struggles between democracy and imperialism, the rise of national imperialism, the causes of the Great War, the peace treaty following the war and the League of Nations. Some of the problems of reconstruction in Europe are also discussed. Three hours, second semester.

3 *History of the United States to 1865*

History of the United States from the period of colonization to the close of the Civil War. In this course special attention is given to the period of the Revolutionary War, the adoption of the Federal constitution, the rise and growth of political parties and

the causes of the Civil War. Three Hours, first semester.

#### 4 *History of the United States since the Civil War*

This course is a study of the national development since the Civil War. The particular theme of this course is the struggle between the liberal and reactionary forces in American life. America's part in the Great War, the League of Nations, and American world diplomacy are discussed. Three hours, second semester.

#### 5 *History of England*

History of England from the 16th century to the present. Particular emphasis is given to the political and social phases. The design of the course is to trace the evolution of this great Democracy, to discover the points of sympathy and similarity to our Democracy, with a view to discovering whether there should not be closer relations between the two countries in international affairs. Three hours, first semester. Given in 1920-21. Not offered 1922-23.

#### 6 *History of Modern Germany*

This course deals with the rise of the German National State; the formation of the Empire; German international ambitions, and the Great War. The design of the course is to study German institutions and ideas as contrasted with those of England and America. Three hours, second semester. Alternates with History 2. Given in 1920-21. Not offered 1922-1923.

#### 7 *Constitutional History of England*

A study of the development of the political institutions of England from the Anglo-Saxon period to modern times. The growth of parliament, the evo-

lution of the cabinet, the prerogatives of the sovereign are emphasized. The organization of political parties, their history and relation to the English democracy is also carefully considered. This course open only to advanced students. Three hours, first semester.

### 8 *Constitutional History of the United States*

This course is supplementary to course 7. It is a study of the origin and growth of the American constitution. The history of political parties, in their organization and life, as related to our constitutional form of government is also given careful study. Open only to advanced students. Three hours, second semester.

### 9 *History of Labor in the United States*

This course is offered to students who wish a careful and thorough study of the labor problems before the American people today. In this course comparisons will be made from time to time with the history and status of labor in England. Open only to advanced students. Three hours second semester.

## POLITICAL SCIENCE

### 1 *General Principles of Political Science*

The nature of the state, the origin of the state, forms of government, sovereignty, citizenship and nationality, the electorate, distribution of the powers of government and comparative government. Three hours first semester.

### 2 *Political Parties in the United States*

Political Parties, their organization and management and their general relation to democracy in America. Three hours second semester.

#### 4 *American Diplomacy and American World Policies*

This course takes up the history of American diplomacy and concludes with a discussion of some of the policies the modern economic and international world is forcing us to adopt. Alternates with course 2. Three hours, second semester.

#### 6 *Constitutional Law*

This course takes up the general conceptions of constitutional law; fundamental rights; the Federal government. It deals with those practical problems of citizenship under the American form of government that every citizen ought to know. Three hours second semester.

#### 8 *American Government and Politics.*

Three hours, second semester.

#### 10 *European Government and Politics*

Three hours, second semester.

## IX MATHEMATICS

### PROFESSOR CROOKS

#### 1 *Solid and Spherical Geometry*

This course is given to meet the needs of students who did not offer this subject for entrance credit, and is given college credit only in the case of those who met the full requirement of fifteen units at the time of entering college. Two hours, first semester.

#### 3 *Plane and Spherical Trigonometry*

Special emphasis is placed upon the general definitions of the functions, the relations of the functions,

the reduction of trigonometric functions, the solution of trigonometric equations, and the development of formulae. Much time is given to the solution of triangles. Four hours, first semester.

#### 4 *Algebra*

The subjects treated are functions and their graphs, the binomial theorem for negative and fractional exponents, partial fractions, permutations and combinations, determinants, the theory of equations and the solution of numerical equations. Four hours, second semester.

#### 5-6 *Analytic Geometry*

The course begins with the construction of many curves from their equations. This is followed by a study of the straight line, the circle, the conic sections, parametric equations of loci, empirical equations, problems on loci, and the general equation of the second degree, and Analytic Geometry of three dimensions. Elective for students who have credit for 3 and 4. Three hours throughout the year.

#### 9-10 *Calculus*

The differentiation of functions of a single variable, successive differentiation, maxima and minima, tangents and normals, differentiation of functions of several variables, partial differentiation. Methods of integration, integration a process of summation, definite integrals, rectification of curves, areas, volumes, surfaces. Elective for students who have credit for 3 and 4. Four hours, throughout the year.

#### 11 *Advanced Calculus\**

The general theorems of Leibnitz, Taylor, and Euler; general methods of integration, multiple inte-



grals, geometric applications and an introduction to differential equations. Elective for students who have credit for 3, 4, 7 and 8. Four hours, first semester.

### 13-14 *Differential Equations\**

Ordinary and partial differential equations. Elective for students who have credit for 7 and 8. Two hours, throughout the year.

### 15 *Astronomy*

This course is mainly descriptive and historical. Its purpose is to give the student a knowledge of the facts and principles of the science and make him acquainted with the instruments and methods by which they have been discovered and deduced. The recitations are supplemented by observations of the heavenly bodies. The student is also taught how to locate the principal stars and constellations. A knowledge of physics and trigonometry is essential. Three hours, second semester, Junior-Senior elective.

### 16 *Surveying*

Heights and distances; computation of areas; plotting and mapping; compass and transit surveying; laying out and dividing land; leveling. Three hours, second semester, with necessary field work. Junior and Senior elective.

## X. MODERN LANGUAGES AND LITERATURE

PROFESSORS MEIER AND DIEZ

MR. ERVIN AND MR. RICHNER, Student Assistants

In the Modern Language reading-room adjoining the department recitation room in the Main Building, the student will find ample facilities for investigative



work. Large additions of valuable reference works have been imported during the past years. The reading-room is also equipped with European weekly and monthly periodicals, both philological and literary. The student is thus afforded excellent opportunity to supplement his studies by putting himself in touch with the march of modern European thought.

## FRENCH

### PROFESSOR MIER

#### 1-2 *Elementary French Grammar*

Followed by a reader and easy tasks. Written and oral exercises; conversational exercises. Three hours, first and second semester.

In this first year's course the aim of the instructor is to give the student the principles of French grammar, a reading knowledge of texts of moderate difficulty, a correct pronunciation and ability to handle easy conversational phrases.

#### 3-4 *Intermediate Course*

Review of elementary grammar; advanced grammar and composition; reading of selections from nineteenth century authors. Increased use of French in class. Three hours a week, first and second semesters.

The aim of this course is to give the student an accurate and fluent reading knowledge of French prose. Idioms, irregular verbs, syntax, and conversation based on the text.

#### 5 *French Drama of the Classic Period*

Corneille, Racine, Molière. Selected plays. Recitations, collateral readings and reports. Lectures on the origin and structure of the drama; the popular,

the religious and the secular drama; the development of the classical theories of dramatic composition to the end of the seventeenth century. Three hours a week, first semester.

### 6 *French Literature of the Eighteenth Century*

Selected readings. Lectures on the growth of liberalism, the "return to nature", the drama and the novel. Voltaire, Rousseau and their influence on modern thought. Collateral reading and reports. Three hours a week second semester.

### 7 *French Literature of the Nineteenth Century*

The growth of Romanticism and the reaction to Realism. Naturalism and present day tendencies. Recitations, collateral reading and reports. Texts to be announced. Three hours a week, first semester.

### 8 *Scientific French*

A special reading course open to students majoring in science. A French Science reader and collateral reading in French scientific journals. Two hours a week, second semester.

### 9 *Course in French Conversation and Composition*

Manual and current topics. Open to students who have passed in French 3 and 4. Two hours a week, first semester.

## SPANISH

PROFESSORS MEIER AND DIEZ

### 1-2 *Elementary Spanish*

Grammar, composition and translation. Frequent practice in pronunciation; dictations and the use of the spoken language. Selections from Spanish reader

and reading of some easy plays. Three hours a week, both semesters.

### 3-4 *Intermediate Spanish*

Advanced grammar and composition; conversation; reading in class of modern authors and assignment of collateral readings. The aim of this course is to give the student an accurate reading knowledge of Spanish and ability to handle easy conversation. Three hours a week, both semesters.

### 5 *Commercial Spanish*

This course is designed to familiarize the student with the vocabulary of business and with the forms of commercial correspondence, readings on the natural resources, commerce, markets, agricultural and industrial products of Spanish-America. Two hours a week, first semester.

### 6 *Technical Spanish*

Translations of Scientific texts and articles in current technical and articles in current technical periodicals. Two hours a week, second semester.

### 7-8 *General Survey of Modern Spanish Literature*

Eighteenth and Nineteenth centuries; contemporary writers. Translation of representative works of drama, fiction, poetry. Lectures on history of drama, fiction, poetry. Lectures on history of Spanish Literature. Three hours a week, both semesters.

## *German*

PROFESSOR DIEZ

### 1-2 *Elementary German*

Pronunciation and the elements of German grammar. The course is conducted in German from

the outset and consist of daily written and oral exercises designed to give the student a practical command of the language and a feeling for the correct forms of expression and habit of thought. These exercises will consist of grammatical drill, discussion and reproduction of graded texts. Three hours, both semesters.

### 3-4 *Sophomore German*

German Prose, literary and scientific. This course is designed to give the student a reading knowledge of the language. A brief review of pronunciation and the elements of grammar will be followed by a careful study of some representative selections from the classics of German fiction, historiography and scientific works. In addition the student will be given assignments for private reading, selected according to his ability and interests. Three hours, both semesters.

Courses 5 to 8 are designed to give an outline of and history of German Literature and civilization, 5 and 6 alternating in successive years with 7 and 8.

### 5 *German literature in the Middle Ages and in the Reformation Period.*

An intensive study of the Nibelungenlied and the German Folksong and Ballard. Lectures on the beginnings of German literature, the age of chivalry and the Reformation. Assigned readings in German folklore, the great mediaeval epics and Minnesingers, the religious poetry of the 16th and 17th centuries.

Three hours, first semester.

### 6 *The Classical Period.*

An intensive study of Goethe's Faust. Lectures on the evolution of the German Drama and the Novel

and on the work of the great writers of the Classical Period, Lessing Klopstock, Wieland, Herder, and especially Goethe and Schiller. Assigned readings from these authors.

### 7 *German Romanticism*

An intensive study of the German Lyric and Ballard from Goethe to the present time. Lectures on German Romanticism, its relation to Classicism and Realism, with assigned readings from Goethe and Schiller, Kleist, Novalis, Tieck, Brentano, Eichendorf, Uhland, Heine, Morike as well as representatives for the later Romantic movements in the 19th and 20th centuries.

### 8 *German Realism in the 19th Century*

An intensive study of plays by Kleist, Grillparzer, Hebbel, and Hauptmann. Lectures on German Literature since the Romantic Period, especially the drama and the novel. Assigned readings in Storm, Keller, Meyer and the leading writers of recent times.

## XII PHYSICS

PROFESSOR BILES

MR. MOSS, MR. HOSKIN, MR. J. E. GREEN, Student  
Assistants in the Laboratory.

Students will be required to begin their college work in Physics with Courses 1 and 2 unless they have completed an elementary course of a scope and character that will enable them to take more advanced courses with profit.

### 1 *Mechanics and Heat*

Simple measurements; properties of matter; the laws of motion; Mechanics of solids, gases, and liquids;

the fundamental laws and phenomena of heat; thermometry and calorimetry. Four hours, first semester. Prerequisite, plane trigonometry, unless being taken at the same time.

## 2 *Magnetism, Electricity, Sound, and Light*

A continuation of Physics 1. Fundamental principles of magnetism, static electricity, current electricity, wave motion, sound, and light. Four hours, second semester.

## 3 *Advanced Mechanics*

Largely a laboratory course. A detailed study of statics; uniformly accelerated motion; simple harmonic motion; rotary motion; elasticity; hydrostatics and hydraulics. Four hours, first semester. Prerequisite, Elementary Chemistry, unless accompanying. Given in 1922-23.

## 4 *Advanced Magnetism and Electricity*

A course similar to Physics 3, dealing with accurate measurements of permeability, resistance, current, capacity, inductance, and elementary radio theory. Four hours, second semester. Given 1922-23.

## 5 *Advanced Heat and Molecular Physics*

Precision thermometry, calorimetry, and conductivity; kinetic theory of gases, thermodynamics, viscosity. Four hours, first semester.

## 6 *Advanced Sound and Light*

Theory of wave motion; correction of lenses; interference and diffraction of sound and light waves; measurements with the spectrometer, diffraction grating, spectroscope, and polariscope. Four hours, second semester.



### 7-8 *Electrical Machinery and Appliances*

A course in the theory and testing of commercial forms of electrical machinery; including dynamos, motors, transformers, various types of lamps, and radio equipment. Four hours, throughout the year. Prerequisite, Physics 3 and 4 unless accompanying. Given in 1922-23.

### 9-10 *Physical Manipulation*

A course for students who expect to become teachers of Physics. Practice is given in repairing, constructing and designing apparatus; preparation of laboratory materials; shop work; supervision of the laboratory, and a critical study of several texts and laboratory manuals. Two hours, throughout the year.

### 11-12 *Mechanical Drawing*

Work will be given to meet the need of the individual student. The work is done in the drawing room with no outside preparation required. The credit will depend upon the quantity and the quality of the work done. No student may take less than three hours in one semester.

## XIII. RHETORIC AND PUBLIC SPEAKING

PROFESSOR WISE

MR. KAGIN, MR. McDOWELL, Student Readers

### 1-2 *Rhetoric and Composition*

Freshman, required. The four types of composition are studied by textbook, and are practiced in daily and weekly compositions. This course, which is to be taken with Literature 1-2, is required of all freshmen. Two hours a week through the year. Sophomore-Junior elective.



### 3-4 *Argumentation*

The principles of argumentation, making of briefs, preparation and delivery of debates. Three hours a week through the year. Given in 1922-23; alternates with 5-6. Sophomore-Junior elective.

### 5-6 *Public Speaking*

The principles of public speaking. Study and analysis of the various types of speeches. Writing and delivery of speeches. Three hours a week through the year. Not given in 1922-23; alternates with 3-4.

### 7 *Advanced Composition*

Clearness of thought and accuracy of expression are insisted upon this course. Analysis of models. Constant practice in writing. Three hours a week, first semester. Given in 1922-23; alternates with 9-10. Junior-Sophomore elective.

### 8 *Short-Story Writing*

A preliminary study of the theory of the short-story. Analysis of masterpieces from Poe, Stevenson, Kipling, and others, with the purpose of developing ability to build plots and write successful short-stories for the fiction-market. Three hours a week, second semester. Given 1922-23; alternates with 9-10.

### 9-10 *Journalism*

Newspaper writing and reporting, proof reading, editorial writing. Three hours a week through the year. Not given in 1922-23; alternates with 7-8.

PRIZEMEN 1920-1921

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THE ORMOND BEATTY ALUMNI PRIZE

Harvey Dewey McBrayer-----Lawrenceburg

THE HENRY BARRET BOYLE LATIN PRIZE

William Strouther Hynes-----Columbia  
Edgar Newlin-----Newport

ORATORICAL PRIZE

John Young Brown-----Sturgis

THE WILLIAM ERNST PRIZE

John Young Brown-----Sturgis  
William Strouther Hynes-----Columbia  
Paul Watson-----Henderson

THE ROBERT POWELL JACOBS PRIZE

Lee Goebel Jones-----Campbellsville

VALEDICTORY

Harvey Dewey McBrayer-----Lawrenceburg

## DEGREES CONFERRED IN JUNE, 1921

## BACHELOR OF ARTS

George Louis Alley	Fulton
Henry Lewis Cash	Stanford
James Reid Sterrett, Jr.	Lebanon
Joel Thomas Embray, Jr.	Stanford
Walter Brashear, Jr.	Louisville
John Immel Hackley	Versailles
John Young Brown	Sturgis
Marshall Walton Brown	Newbern, Tenn.
Niles Orr Esray	Washington, D. C.
George Forrest Hambleton	Springfield
William Loren Case	Springfield
John Woodford Gay	Winchester
Edwin Kerr Thomas	Paris
William Julian Walden	Henderson
Lee Goebel Jones	Campbellsville

## BACHELOR OF SCIENCE

Raymond Tye Faulkner	Campbellsville
Edward Russell Dillehay	Harrodsburg
Harvey Dewey McBrayer	Lawrenceburg
William Nelson James	Wautauga, Texas
James William Daniel	Mt. Sterling
Ben Spaulding Hill	Stanford

## DOCTOR OF DIVINITY

Leonard Andrew Barrett	Ann Arbor, Mich.
Richard Thomas Gillespie	Louisville

## DOCTOR OF LAWS

William Burgess Matthews	Los Angeles, Cal.
Louis S. McMurtry, M. D.	Louisville

## LIST OF STUDENTS

### SENIOR CLASS

Ardery, George	Paris
Armstrong, Philip Norris	Fort Smith, Ark.
Brumback, Kenneth Walker	Covington
Caudill, Fred Weldon	Indian Bottom
Caudill, Lawrence Claude	Indian Bottom
Cleland, Robert Ray	Lebanon
Cottrell, Jack Tipton	Prestonburg
Cregor, Benjamin Woodbury	Springfield
Eads, John T.	Decatur, Ill.
Edwards, Rothwell Tate	Harrodsburg
Graves, Junius Calhoun	Auburn
Green, Julian Bacot	Danville
Henderson, Raymond Fitch	Vanceburg
Howard, Carlton Alexander	Covington
Hynes, William Strother	Columbia
Martin, Edward Kilgore	Freedom
Milliken, James Butler	Bellevue
McGee, John Bedford	Bloomfield
Noe, Samuel VanArsdall	Springfield
Privette, Thomas Nelson	Dyersburg, Tenn.
Randall, James W.	Richmond, Mo.
Sanford, Theodore Alexander	Milburn
Spencer, Alex Hamilton	Guerrant
Steele, Monte Bruce	Danville
Tapp, George Hambleton	Springfield
Wesley, Ned Grandison	Bethelridge
West, John Lee	Oneida, Tenn.

### JUNIOR CLASS

Baker, Stuart Lisle	Monticello
Collins, Cyrus W.	Elkatawa
Cook, Eugene Wilbur	Danville
Dugan, John Francis	Louisville
Ervin, Robert Miller	Danville

Glore, Walter Scott, Jr. ....	Danville
Harris, Robert Wayne .....	New Albany, Ind.
Hatchett, Terry Loving .....	Glasgow
Johnson, William Henry .....	Danville
Lowe, Robert Irwin .....	Tunica, Miss.
Moran, Tom McGee .....	Horse Cave
Morrow, Gordon Edward .....	West Plains, Mo.
Moss, John Thomas, Jr. ....	Campbellsville
Murphy, Joseph Allison .....	Columbus, Ohio
McMillin, Alvin Nugent .....	Fort Worth, Texas
Newlin, Edgar .....	Newport
Pennington, Walter Givens .....	London
Prewitt, Edward Rogers .....	Mt. Sterling
Purdom, Emil Garness .....	Perryville
Supplee, Ralph Barker .....	Carrollton
Tanner, Edward Joy .....	McKinney
Wells, Thomas Richardson .....	Guerrant
Wyatt, Leonard .....	Elkatawa
Yeager, Lewis Churchill .....	Danville

## SOPHOMORE CLASS

Baxter, Ernest Gilbert .....	Carrollton
Bickel, Paul J. ....	Louisville
Blakey, James Churchill .....	Beattyville
Blankenship, Joseph Jordan .....	Shepherdsville
Bond, Louis Carleton .....	Nonesuch
Brooking, Harry King .....	Pineville
Burres, Joseph Reuben .....	Tuscola, Ill.
Camden, Charles Carroll .....	Louisville
Carson, James Bailey .....	Oneida, Tenn.
Carter, Ralph Emerson .....	Trenton
Carter, Rufus Preston .....	Danville
Cecil, Charles Perry .....	Danville
Clay, George Stoner .....	Henderson
Conger, Dale E. ....	Des Moines, Iowa
Curry, Frank .....	Harrodsburg
Davidson, Graham Yoder .....	Burnside
Davis, Robert Salter .....	Danville
Dooley, Joseph Mitchell .....	Augusta

Edmiston, Joseph Thomas	Crab Orchard
Faurest, Louis	Elizabethtown
Flippin, Royce Norwood	Somerset
Gray, William Everts	Glendale
Green, James Edward	Louisville
Handley, Frank McDonald	Upton
Harding, James Hilary	Henderson
Hurd, Walter	Danville
Imboden, Howard Robert	Johnson City, Tenn.
Jarvis, James Lewis	Lakeland, Fla.
Jones, Clarence Lee	Louisville
Kagin, Carl August	Frankfort
Kenney, Frank Allen	Danville
Kimbel, George Dewey	Louisville
Kinnaird, James Woodson	Edmonton
Letcher, James Hughes, Jr.	Danville
Mahin, Marion Woods	Keene
Mauzy, Wayne Lisman	Dixon
Mayers, Lewis McLaurine	Brandon, Miss.
Mercer, McClary	Henderson
Morgan, John	Emalena
Mountjoy, James Rice	Lawrenceburg
McDowell, Elliot Waldo	Danville
McGrath, Robert Emmett	Louisville
Patterson, James Thomas	Harrodsburg
Peay, Austin	Clarksville, Tenn.
Peterson, Frank Dewey	Campbellsville
Pogue, Philip Sterling	Louisville
Ray, Roy Robert	Hyden
Richmond, Harry Emerson	Covington
Richner, Thophilus Gottlieb	Washington, D. C.
Roberts, James Borum	Somerset
Robertson, William Howard	Elizabethtown
Rogers, Whittier W.	Beaver Dam
Rowe, James Herbert Kinnaird	Red Lick
Snowday, Terry Hall	Owensboro
Steele, Starr Emery	Corbin
Stone, Marshall Owsley	Danville
Swinebroad, George	Lancaster

Tanner, James Patterson	Stanford
Taylor, Nathan Powell	Henderson
Terhune, Thornton Powell	New Albany, Ind.
Van Winkle, Frank	Danville
Watson, Paul Morris	Henderson
White, Charles Jackson	Cadiz
Whitnell, Edwin	Fulton
Wickliffe, Robert Bodine	Greenville
Wood, Gordon Proctor	Millersburg
Wright, William Otto	Sturgis

## FRESHMAN CLASS

Adams, Lewis Jackson	Crofton
Alexander, Edward Hull	Jacksonville, Ill.
Allen, Potter	Chattanooga, Tenn.
Anderson, Carl Rudolph	Glendale, Calif.
Anderson, Thomas	Cedar Falls, Iowa
Armstrong, Fred Sanders	Fort Smith, Ark.
Baer, William M.	Woodhaven, L. I.
Bailey, James Patterson	Stanford
Baker, Loren	Amarillo, Texas
Bartlett, Thomas Glenn	Owensboro
Baughman, Branham B.	Danville
Beane, Donald George	McKees Rocks, Pa.
Beatty, Morgan Mercer	Fort Smith, Ark.
Becker, Russell Paul	Cleveland, Ohio
Beckham, J. Crepps Wickliffe, Jr.	Louisville
Beem, Arthur Newton	El Dorado, Ark.
Bell, Wallace J.	Watseka, Ill.
Berryman, Jerome C.	Ashland, Kansas
Bilas, John	Garfield, N. J.
Birk, Louis Philip	Danville
Bohon, Davis T., Jr.	Harrodsburg
Bradley, Joseph Welden	Fort Worth, Texas
Briney, Bruce C.	Louisville
Brooks, Altman E.	Birmingham, Ala.
Bryant, Dudley	Danville
Buchanan, Richard	Campbellsville
Burkhardt, Victor R.	Chicago, Ill.



Caldwell, Robert Guthrie	Denver, Colo.
Caldwell, William	Campbellsville
Carr, Park Armstrong	Cumberland Gap, Tenn.
Ceyak, Alois Wallace	Berlin, Wis.
Chandler, Charles Jerome	Wichita, Kansas
Chatfield, Ross H.	Catlettsburg
Chinn, George Morgan	Harrodsburg
Chinn, Phil Carlisle	Harrodsburg
Chinn, Robert Christopher	Oakdale, Calif.
Clark, Joseph P.	Franklin
Clarke, Philip Joseph	Danville
Class, Raymond	Middletown, Ohio
Combs, Leslie, Jr.	Lexington
Covington, Henry Herbert	Mayfield
Crawford, Edwin Meers	Ashland
Creaghead, Robert Murnan	Covington
Dooley, Edwin Bennett	Winchester
Dorsey, Albert Howell	Hillsboro, Ill.
Draper, Patrick H.	Henderson
Durrett, Charles Emmett	Paducah
Egan, Willis Russell	Waterloo, Iowa
Elder, Thomas Crosswell	Watseka, Ill.
Embry, Harvey H.	Stanford
Farmer, William Hawes	New York City, N. Y.
Farrell, William Prewitt	Perryville
Farris, George F.	Stanford
Ferguson, Earl Palmer	Paducah
Gay, Thomas Chenault	Winchester
Gibson, Gwyn Ray	Pineville
Gibson, Richard Marion	Louisville
Glore, Robert	Danville
Gordy, Minos Thomas	Abbeville, La.
Hagan, James Edward	Danville
Harberson, James Coulter	Perryville
Hays, George Cresop	Elizabethtown
Hedrick, Charles Howard	Monticello
Henry, Felix Brank	El Dorado, Ark.
Hescamp, Henry Reed	Coburg
Hibner, De Los Eugene	Du Bois, Pa.

Hodgkin, John William	Winchester
Holder, Martin Jacob	Waterloo, Iowa
Honaker, Henry Frank	Wichita Falls, Texas
Hosken, Franklin William	Danville
Hudgins, Hope	Amarillo, Texas
Hudson, Thomas Yates, Jr.	Danville
Hughes, William Sylvester	Cave City
Humble, William Brazeal	Somerset
Hunter, John King	Camp Knox
Hunter, William Lawrence	Camp Knox
Ingerton, Sheridan	Amarillo, Texas
Jewell, Ernest Leon	Horse Cave
Johnson, Ernest W.	Flemingsburg
Johnson, Theodore Roosevelt	Lawrenceburg
Jones, George Roy	Dallas, Texas
Jones, Ralph	LaCenter
Kayse, Edgar La Roche	Lexington
Keen, Douglas Dixie	Scottsville
Keller, Hamilton Conger	Lawrenceville, Ill.
Kelley, Winfred Joseph	Fort Worth, Texas
Kobert, Carl Baughman	Lebanon
Kubale, Edwin	Fort Smith, Ark.
Lair, John Wilmoth	Paris
Leathers, John Allen	Louisville
Lemon, Clifton Wilson	Smithland
Liggett, James McKee	Pittsburg, Pa.
Lusk, Jack Beals	Johnson City, Tenn.
Lynch, Howard W.	Amarillo, Texas
Mattingly, William	Charleston, Mo.
Meredith, Joseph Shaton	Harrodsburg
Mitchell, Joseph Smith	Smith's Grove
Montgomery, Jack	Versailles
Moore, George Morris	Perryville
Morancy, Honore Piere	Versailles
Morris, Paul M.	Murry
Morris, Roy	DeFuniak Springs, Fla.
Munhall, Selvyn Taylor	Pittsburg, Pa.
McBrayer, Maxwell	Lawrenceburg
McLean, William Carpenter	South Haven, Mich.

McMakin, Walter	Danville
McNair, Norman C.	Louisville
McRae, John Fred	El Dorado, Ark.
McWilliams, Charles H.	Wilmington, Ohio
Naylon, Robert Henry	Cleveland, Ohio
Nelson, William	Guthrie
Newell, Robert Eugene	Dallas, Texas
Newlin, Albert Chauncey	Newport
Noonan, Garrett	Frankfort
Owen, Vernon	Fulton
Pailthorp, Edwin George	Petoskey, Mich.
Parks, Stanley Sullivan	Danville
Price, Morris H.	Paris
Preist, James S., Jr.	Henderson
Purdum, Christopher	Perryville
Ramsdell, Luman	Petoskey, Mich.
Redmon, Lonzo Harris	Louisville
Reeves, Corvin	Newport
Rice, Carleton L.	Seattle, Wash.
Rich, Murry	Covington
Ridens, Haskins	Newbern, Tenn.
Rivers, Byron	Louisville
Roberts, St. Clair	Louisa
Robertson, Robert	Elizabethtown
Rollins, Horace William	Pineville
Ross, Edwin Osgood	Ludlow
Rowland, John	Racine, Wis.
Rubarth, Robert Frank	Gatesville, Texas
Sallee, George James	Somerset
Salt, John U.	Covington
Sanvito, Vincent	McKees Rocks, Pa.
Schmalhorst, Randolph	Cincinnati, Ohio
Sellers, John	Amarillo, Texas
Shadoan, William Parkes	Somerset
Sharon, Joseph Addison	St. Louis, Mo.
Shaw, James Samuel	Bardstown
Shearer, Marshall Livingston	Monticello
Simpson, Robert	Frankfort
Slack, William Hamilton	Louisville

Smith, Clay Rice	Danville
Smith, Franklin Emerson	Portsmouth, Ohio
Snowden, Oliver	Danville
Spilman, James William	Harrodsburg
Stevenson, William Hugh	Sturgis
Stewart, J. Alexander	Louisville
Swope, William Earl	Lancaster
Tanner, John Porter	Owensboro
Thomasson, Robert	Newport
Tobin, Paul	Middletown, Ohio
Trimble, Ian N.	Wickliffe
Tucker, Walter	Cave City
Van Winkle, John	Covington
Wade, Charles Albert Adams	Versailles
Walker, Andrew Alexander	Clarksdale, Miss.
Waller, Frank Slaughter	Mayfield
Wallingford, Joseph Harold	Ashland, Kansas
Watts, John Robert	Louisville
Webb, James	Mayfield
Wells, John Samuel, Jr.,	Danville
Wetzel, Ralph Charles	Newport
Willis, Brown Young, Jr.	Nicholasville
Wilson, Thomas	Frankfort
Wilt, Fred W.	Flemingsburg
Yeaman, George Fishback	Washington, D. C.



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